



# 2024 NATIONAL PAINTING COST ESTIMATOR

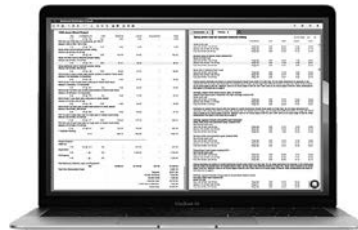
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**Edited by Dennis Gleason, CPE**  
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# How to Use This Book

Paint estimating is more of an art than a science. There's no price that's exactly right for every job and for every bidder. That's because every painting job is unique. No single material cost, no labor estimate, no pricing system fits all types of work. And just as every job varies, so do painting companies. No two painting contractors have the same productivity rates, the same labor burden, the same overhead expense and the same profit requirements.

The best paint estimates are always custom-made for a particular job. They're based on the contractor's actual productivity rate, material cost, labor cost, overhead percentage and profit expectations. No estimating book, no computerized estimating system, no estimating service can possibly account for all the variables that make every job and every painting company different. Only a skilled estimator using professional judgment and a proven estimating system can produce consistently reliable estimates on a wide variety of painting jobs.

## So, Why Buy This Book?

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That's easy. This is the most complete, authoritative and reliable unit cost guide ever made available to paint estimators. No matter what types of work you estimate, no matter what your costs are, this book will help pro-

duce consistently accurate painting cost estimates in dollars and cents. But it isn't a substitute for expertise. It's not a simple way to do in minutes what an experienced paint estimator might not be able to do in hours. Instead, this unit cost guide will aid you in developing a good estimate of costs for any painting operation on any project. Think of this manual as one good estimating tool. But it's not (or at least shouldn't be) the only estimating tool you'll use.

For most jobs, I expect that the figures you see here will prove to be good estimates. But anyone who understands paint estimating will understand why judgment is needed when applying figures from this manual — or any other paint estimating guide. It's your responsibility to decide which conditions on the job you're bidding are like conditions assumed in this manual, and which conditions are different. Where conditions are different, you'll need good professional judgment to arrive at a realistic estimated cost.

This manual is also available by subscription on the Web. *National Estimator Cloud* includes all ten of Craftsman's 2024 construction cost estimating references. Each of these manuals has about 400 pages of current labor and material costs for construction — all neatly organized and indexed. Use these costs to build estimates and bids for nearly any type of project. Your work is kept secure on the Web.

	<b>Manhour productivity</b>	<b>Labor cost per hour</b>	<b>Labor burden percent</b>	<b>Labor burden dollars</b>	<b>Labor cost plus burden</b>	<b>Material price discount</b>	<b>Overhead percent</b>	<b>Profit</b>
Slow (1P)	Low	\$25.70	24.0%	\$6.17	\$31.87	20%	19.0%	16%
Medium (2P)	Average	32.75	28.9%	9.46	42.21	30%	25.0%	12%
Fast (3P)	High	39.90	35.3%	14.08	53.98	40%	31.0%	7%

Notes: These rates are for painters. Hourly rates for wallcovering are different. See page 29. Slow, Medium and Fast jobs are defined on page 13. Labor burden percentages used in this book are summarized on page 31. National Estimator uses hourly rates in the Labor cost plus burden column. National Estimator shows productivity rates (Slow, Medium and Fast) and copies the words Slow, Medium or Fast to your estimate. It also copies the crew productivity code, either 1P (Slow), 2P (Medium), or 3P (Fast) to your estimating form. National Estimator allows you to enter any percentage you select for overhead and profit.

**Figure 1**

The basis for painting cost estimates in this book

## How to Use the Tables

The estimating tables in this book show typical costs and bid prices for every painting operation you're likely to encounter, whether paint is applied by brush, roller, mitt or spray. Selecting the right cost table and the correct application method is easy. Tables are divided into four parts:

**Part I:** General Painting Costs

**Part II:** Preparation Costs

**Part III:** Industrial, Institutional and  
Heavy Commercial Painting Costs

**Part IV:** Wallcovering Costs

Each section is arranged alphabetically by operation. If you have trouble finding the tables you need, use the Table of Contents at the front of the book or the Index at the back of the book.

Once you've found the right table and the appropriate application method, you have to select the correct application rate. For each of the application methods (brush, roll, mitt or spray), the tables show three application rates: "Slow," "Medium," or "Fast." That's a very important decision when using this book, because each application rate assumes different manhour productivity, material coverage, material cost per gallon, hourly labor cost, labor burden, overhead and profit.

Your decision on the application rate to use (or which combination of rates to use) has to be based on your evaluation of the job, your painters and your company. That's where good common sense is needed.

Figure 1 shows crew codes, labor costs, labor burdens, material discounts, and profit for each of the three production rates for painting.

The "Slow" application rate in Figure 1 assumes lower productivity (less area covered per manhour), a lower labor cost (due to a less skilled crew), a lower labor burden (due to lower fringe benefits), a lower discount on materials (because of low volume), higher overhead (due to lower volume) and a higher profit margin (typical on small repaint or custom jobs). Figures in this "Slow" application row will apply where painters with lower skill levels are working on smaller or more difficult repaint jobs.

Look at the "Fast" row in Figure 1. These estimates will apply where a skilled crew (higher hourly rate and larger fringe benefits) is working under good supervision and good conditions (more area covered per manhour) on larger (volume discount on materials) and more competitive jobs (lower profit margin). Figures in the "Fast" application row assume high productivity and lower material coverage, (unpainted surfaces absorb more paint), like that of a residential tract job.

Each of the three application rates is described more completely later in this section.

	Pricing variables			Unit cost estimate					
	1	2	3	4	5	6	7	8	9
	Labor SF per man- hour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total cost per 100 SF
<b>Walls, gypsum drywall, orange peel or knock-down, roll, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	400	300	50.60	6.43	1.54	16.87	4.72	4.73	34.29
Medium	538	275	44.30	6.09	1.76	16.11	5.99	3.59	33.54
Fast	675	250	38.00	5.91	2.08	15.20	7.19	2.13	32.51
Your customized figures				4.15	1.00	16.11	5.31	3.19	29.76
					24.00%		25.00%	12.00%	

**Figure 2**  
Customize the tables  
(From page 228)

## The Easy Case: No Adjustments

Let's suppose the "Slow" application rate fits the job you're estimating almost perfectly. Your crew's productivity is expected to be low. From Figure 1, the labor cost will be \$25.70 per hour. Labor burden (fringes, taxes and insurance) will be 24.0 percent. Discount on materials will be 20 percent. Overhead will be 19 percent and profit will be 16 percent. Then your task is easy. All of your costs match the costs in the "Slow" row. No modifications are needed. The same is true if your costs fit the "Medium" or "Fast" rows.

But that's not always going to happen. More often, the job, your crew and your company won't fit exactly into any of the three rows. What then? More evaluation is required. You'll combine costs from several application rate rows to reach an accurate bid price. I call that *customizing your costs* and it's nearly always required for an accurate estimate.

## Customizing Your Costs

Every company has a different combination of work-speed and experience, taxes, benefits, spread rates, equipment needs, percentage for overhead, and profit margin. These are the cost variables in paint estimating.

This book is designed so you can quickly and easily adjust estimates to reflect actual costs on the job you're estimating. It's important that you *read the rest of this section before using the cost tables in this book*. That's the only way to get from this manual all the accuracy and flexibility that's built into it.

In the remainder of this section I'll describe the assumptions I've made and the methods I used to compile the cost tables in this manual. Once you understand them, you'll be able to combine and modify costs in the estimating tables so your bids fit the job, your crew and your company as closely as possible.

When you start using the cost tables in this book, I suggest you circle numbers in the "Slow," "Medium," or "Fast" application rate rows that best fit your company and your jobs. To improve accuracy even more, write your own figures in the blank row below the "Fast" row in each table, like I've done in Figure 2.

## A Practical Example

Figure 2 is part of an estimating table taken from page 228 of this book, General Painting Costs. I'm going to use it to show how to customize estimates to match

your actual costs. In Figure 2 I've circled some of the costs I plan to use in a sample estimate and calculated others.

In column 1, *Labor SF per manhour*, I've circled 675 because I feel the journeyman painter assigned to this job can paint walls at the "Fast" rate of 675 square feet per hour. That's the number I plan to use for my estimate.

In column 2, *Material coverage SF/gallon*, I've reviewed my past performance and I expect coverage will be about 275 square feet per gallon of paint. So I've circled that figure.

In column 3, *Material cost per gallon*, I've circled 44.30 for my cost per gallon for flat water base latex (including tax and an allowance for consumable supplies), based on a 30 percent discount from the retail price.

So far, so good. That completes the first three columns, what I call the *pricing variables*. Now we can begin on the *unit cost estimate*, columns 4 through 9. Each of these columns show a price per 100 square feet of wall.

We'll start with column 4, *Labor cost per 100 SF*. Notice that I've written in 4.15 for this column. Here's why! Look back at Figure 1 and the "Slow" labor rate, with burden, at \$31.86. (See Figure 13 on page 29 for the wage rates for wallcovering.) Let's say you work in a part of the country where prices, and wages, are lower than the national average, and you pay your experienced painters \$28.00, a little more than the "Slow" labor cost in Figure 1. But they produce at the "Fast" rate of 675 sf per manhour, putting you at an advantage because your labor cost is lower than those in Figure 1. To calculate your actual labor costs per 100 SF, divide \$28.00 by 675 and then multiply by 100:  $28.00/675 = .0415 \times 100 = 4.15$ .

In column 5, *Labor burden 100 SF*, I've entered 1.00. This figure is a result of my labor cost at \$4.15 x 24.0 percent, my labor burden (taxes, insurance and benefits) from the "Slow" row of Figure 1. Even though the labor rate is "Fast" and the labor cost is higher than the "Slow" rate, for this example labor burden at \$0.94 will be more like work done at the "Slow" rate because this company doesn't offer many benefits.

In column 6, *Material cost per 100 SF*, I've circled 16.11, the number in the "Medium" row. Since I've used numbers in the "Medium" row in both columns 2 and 3, I can take the figure in column 6 for material costs directly from the table, without any calculations.

In column 7, *Overhead per 100 SF*, I've calculated the overhead dollar value by adding the labor cost, labor burden and material cost then multiplying that sum by the "Medium" overhead at 25 percent:  $\$4.15 + \$1.00 + \$16.11 = \$21.26 \times .25 = \$5.31$ .

In column 8, *Profit per 100 SF*, I've calculated the profit dollar value by adding the labor cost, labor burden, material cost and overhead then multiplying that sum by the "Medium" profit at 12 percent from Figure 1. The result is  $\$4.15 + \$1.00 + \$16.11 + \$5.31 = \$26.57 \times .12 = \$3.19$ .

Column 9, *Total cost per 100 SF*, is the bid price — it's the sum of columns 4 through 8 for each row. Because I've circled costs that fall in more than one row, I can't use any figure in column 9. Instead, I simply add the circled or calculated figures in columns 4 through 8:  $\$4.15 + \$1.00 + \$16.11 + \$5.31 + \$3.19 = \$29.76$ . That's my bid price per 100 square feet on this job. It's the combination of costs that fit my company, my painters and the job.

### Using Your Good Judgment

Of course, judgment is required when using these tables, as it is when making any estimate. For example, if your journeymen painters earn the top wage of \$39.90 but work at the "Medium" production rate or slower, your labor cost per unit will be higher than the highest cost listed in column 4. An adjustment may be required.

Because figures in columns 7 and 8 are percentages of figures in columns 4, 5 and 6, you have to be careful when you blend costs from different rows. Let's look at an extreme (and unlikely) example.

Suppose you use costs from the "Slow" application row for columns 4 (6.43), 5 (1.54) and 6 (16.87) of Figure 2. The total of those three costs is \$24.84. Then you decide to use overhead from the "Fast" row because your overhead is about 31 percent of cost, not 19 percent of cost as in the "Slow" row (Figure 1). "Fast" overhead is listed as \$7.19 in Figure 2. The correct overhead figure is \$7.70, or 31 percent of the sum of "Slow" costs in columns 4, 5 and 6. Be aware of this small discrepancy and calculate figures for all the categories yourself to ensure extreme accuracy.



## Converting Unit Prices

The last column in Figure 2 shows the total cost per 100 square feet of wall. Some estimating tables in this book show a total cost per 100 linear feet (such as for baseboard) or total costs per unit (such as for doors). To convert a cost per 100 square feet to a cost per square foot, move the decimal point two places to the left. Thus the cost per 100 square feet for the “Fast” rate in Figure 2 is \$32.51 or about 32.5 cents per square foot.

## General Qualifications

It’s important that you understand the conditions the tables are based upon. I call these conditions the job qualifications. A qualifications statement follows each estimating table to help you understand what’s included and what’s excluded. Please read those *qualifications* before using costs from this manual in your estimates. The following points apply to *all* tables in this book:

### Included Costs

- Minor preparation, both time and material. Normal preparation for new residential construction is included in the “Fast” row and for new commercial jobs in the “Medium” row. Minimal preparation is included for repaint jobs in the “Slow” row.
- Minimum setup and cleanup
- Equipment such as ladders, spray rigs and brushes are included in overhead for the “Fast” rate (residential tracts) or “Medium” (commercial) work. Add equipment costs at their rental rate for “Slow” (repaint) jobs.

### Excluded Costs

- Equipment costs such as ladders, spray rigs, etc. for “Slow” (repaint) jobs. Add these at their rental rate whether or not you own the equipment.
- Extensive surface preparation. Add the cost of time and materials needed for more than “normal” preparation work. Also add time to remove and replace hardware and accessories, protect

adjacent surfaces, and do any extensive setup, cleanup, or touchup. (See the discussion of SURRPTUCU on the next page.)

- Mobilization or demobilization
- Supervision
- Material handling, delivery, or storage
- Sample preparation
- Mixing coatings
- Excessive material waste or spillage
- Equipment rental or placement costs
- Scaffolding rental and erection costs
- Subcontract costs
- Contingency allowance
- Owner allowances
- Commissions, bonuses, overtime, premium pay for shift adjustments (evening work), travel time or per diem.
- Bonds, fees, or permits
- Additional insurance to meet owner requirements
- Work at heights above 8 feet or beyond the reach of a wand or extension pole. (See the table for High Time Difficulty Factors on page 139.)

## Surface Preparation

The Preparation estimating tables that follow Part I: General Painting Costs, apply to both interior and exterior surfaces.

Surface preparation is one of the hardest parts of the job to estimate accurately. Any experienced painter can make a reasonably good estimate of the quantity of paint and time needed for application. But the amount of prep work needed will vary widely — especially for repaint jobs. Some will need very little work. Others will take more time for prep than for painting.

Preparation work for new construction jobs is relatively standard and consistent. You'll have to mask cabinets before spraying sealer on wet area walls, caulk at the baseboards, putty the nail holes in wood trim, and occasionally use a wire brush to smooth and clean a surface. The time required for this work is fairly predictable.

Labor cost for normal preparation of unpainted surfaces in new residential construction is included in the "Fast" *labor* costs and for new commercial construction in the "Medium" *labor* cost. The cost of materials for normal surface preparation on unpainted surfaces is included in the sundries allowance that's part of the "Fast" or "Medium" material cost.

But if more than normal surface prep work is needed, estimate the extra manhours and materials required and add these costs to your estimate.

### **Add for Repaint Preparation**

The "Slow" unit costs include no surface preparation other than a quick wipedown. Preparation on a repaint job may take longer than the painting itself. That's why you have to estimate surface prep as a separate item and add that cost to your estimate.

A misjudgment in estimating preparation work can be very expensive. That's why I recommend that you bid surface preparation by the hour, using your shop rate for "time and material" jobs, or some other specified hourly rate. That protects you against cost overruns if the preparation takes longer than anticipated. But there's a danger here. Owners may be angry about the cost because they don't understand what's involved in preparation and why it takes so long. You can avoid this with a "not to exceed" bid that contains a maximum price for the prep work. Your bid should define the scope of preparation work in detail and list exactly what's included and excluded. Be sure to consider all the labor, material, and equipment costs involved.

If you have to bid repaint work, be sure to include all the miscellaneous costs. The acronym I use to identify these miscellaneous costs is SURRPTUCU: Setup (SU), Remove and Replace (RR), Protection (P), Touchup (TU) and Cleanup (CU). Add these costs to your repaint estimate if they require anything beyond minimum attention.

- 1) *Setup* includes unloading the vehicle, spreading the tarp and setting up the tools — everything that has to be done before prep or painting can begin.
- 2) Remove and replace everything that will interfere with painting, including door and cabinet hardware, the contents of cabinets, light fixtures, bathroom accessories, switch covers and outlet plates, among others.
- 3) *Protection* for furniture and adjacent surfaces such as floors, cabinets, plumbing or electrical fixtures, windows, and doors. Protection methods include masking, applying visqueen, laying drop cloths and applying a protective coating on windows.
- 4) *Touchup* time varies with the speed and quality of the painting job and how fussy the owner is. The more careful your painters are, the less touchup time needed. You can estimate touchup time accurately only if you know how well your crews perform. The Touchup table in this book is based on a percentage of total job cost.
- 5) *Cleanup* time is usually about the same as setup time, about 20 to 30 minutes each day for repaint jobs. Cleanup time begins when work stops for the day and ends when the crew is back in the truck and ready to go home. It includes cleaning tools, dismantling the paint shop and loading the vehicle.

## **Subcontractors**

Painting contractors don't hire many subcontractors. But once in a while you'll need a specialist for sandblasting, waterblasting, wallcovering, scaffolding or pavement marking. Subcontract costs are not included in the estimating tables. Add the cost of any subcontract work that will be required.

Figure 3 shows some typical rates quoted by sandblasting subcontractors. Of course, prices in your area will probably be different. You could also figure sandblasting unit costs from the sandblasting estimating tables included in Part II, Preparation Costs, in this book.

<b>Minimum charges:</b> \$684.00, scaffolding not included		Epoxy coated - add	1.51 to 1.66/SF
<b>Additional insurance:</b> May be required to cover adjacent personal and real property which may not be protected.		With portable equipment - add	.87 to 1.25/SF
<b>Sandblasting water soluble paints</b>	\$1.25 to 1.43/SF	<b>Commercial blast</b> - 67% white stage	
<b>Sandblasting oil paints</b>	1.33 to 1.50/SF	Field welded, new, uncoated	
<b>Sandblasting heavy mastic</b>		ground runs	1.33 to 1.58/SF
(depends on coating thickness)	1.72 to 1.89/SF	above ground	1.66 to 2.61/SF
<b>Sandblasting brick</b> - light blast	1.25 to 1.43/SF	Previously painted surfaces - add	.80 to 1.43/SF
<b>Sandblasting masonry block walls</b>		Epoxy coated - add	1.43 to 1.66/SF
Clean up & remove grime - light	1.18 to 1.25/SF	With portable equipment - add	1.02 to 1.25/SF
- heavy	1.80 to 1.97/SF	<b>Near white blast</b> - 95% white stage	
<b>Sandblasting structural steel</b>		Field welded, new, uncoated	
Pricing rules of thumb:		ground runs	1.58 to 1.81/SF
Pipe up to 12" O.D.	1.80 to 2.68/SF	above ground	1.81 to 2.77/SF
Structural steel up to 2 SF/LF	1.66 to 1.92/SF	Previously painted surfaces - add	.80 to 1.43/SF
Structural steel from 2 to 5 SF/LF	1.97 to 2.21/SF	Epoxy coated - add	1.43 to 1.66/SF
Structural steel over 5 SF/LF	(depends on shape)	With portable equipment - add	1.02 to 1.25/SF
Tanks and vessels up to 12'0" O.D.	2.61 to 3.01/SF	<b>White blast</b> - 100% uniform white stage	
Tanks and vessels over 12'0" O.D.	2.61 to 3.01/SF	Field welded, new, uncoated	
<b>Brush off blast</b> - light blast (loose mill scale)		ground runs	2.37 to 2.77/SF
Field welded, new, uncoated		above ground	2.61 to 3.07/SF
ground runs	.80 to 1.02/SF	Previously painted surfaces - add	.80 to 1.33/SF
above ground	1.18 to 2.21/SF	Epoxy coated - add	1.43 to 1.66/SF
Previously painted surfaces - add	.80 to 1.43/SF	With portable equipment - add	.80 to 1.19/SF

**Figure 3**  
Sandblasting pricing table

Figure 4 shows typical subcontract bids for pavement marking. Again, prices in your area may be different.

If you do much repainting, you'll probably want to buy a waterblasting rig. Even if you own the blaster, include a charge in each estimate for the equipment as though you rented it from a rental yard just for that job. Figure the unit costs for waterblasting from Part II of this book, Preparation Costs.

Consider using a waterblasting subcontractor if you don't need the service often. Figure 5 shows some typical rates for waterblasting. Make up a table like this based on quotes from subcontractors in your area. For a more detailed table, see Sandblasting in the Preparation section, page 303.

When you hire a subcontractor, make sure the quoted price includes everything that contractor has to do — all labor, material (with tax, if applicable), equipment,

overhead and profit. Add your overhead and profit percentage to the subcontractor's bid price when you enter that item on the estimate.

## Contingencies

Occasionally you'll add a contingency allowance on bids for repaint projects where there are unknowns that can't be forecast before work actually begins. Contingency allowances are rarely needed when estimating new construction. When necessary, the contingency amount is usually from 3 to 5 percent. It can go higher, however, if there are unusual conditions or unknowns that make it hard to produce an accurate estimate. Include a contingency allowance in your estimates only if you have reason to expect:

- An uncertain scope of work (unknown job conditions)
- An inexperienced owner or general contractor
- Incomplete drawings

**Pricing rules of thumb:**

Number of parking spaces: Figure on one space per 300 SF of pavement

Single line striping with light graphics application	\$12.30 per space
Single line striping with heavy graphics application	21.50 per space
Single striping, light graphics and 3' wheel stop	30.60 per space
Single striping, heavy graphics and 3' wheel stop	39.70 per space

**Equipment pricing:**

Simple "inverted spray can" approximate cost	\$278.00
Professional striping machine cost range	5,710 to 6,290
Professional road/highway striper	318,000

**Subcontractor pricing:**

Move on:	\$187.00 to 228.00
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**Striping prices:**

Single line striping	\$.56 to .73 per lineal foot
Bike lane striping	.73 to .85 per lineal foot
Fire lane, red curb	.73 to .85 per lineal foot

**Symbol pricing:**

Templates - 8'0" template	\$215.00 to 256.00 each
Arrows	48.70 to 57.10 each
Handicap symbol, one color	20.00 to 27.10 each
two color	35.80 to 42.90 each
No parking fire lane stencil	3.86 to 4.72 each

**Wheel stops:**

3'0" stops	\$27.10 to 34.40 each if pinned on asphalt 35.80 to 42.90 each if glued and pinned
6'0" stops	42.90 to 51.50 each if pinned on asphalt 51.50 to 58.80 each if glued and pinned (add for stops pinned to concrete)

**Signs and posts:**

Sign only 12" x 18"	\$60.00 to 84.40
Post mounted 12" x 18"	158.00 to 217.00

**Pavement markers:**

One way pavement markers	\$12.80 each
Two way pavement markers	17.10 each

**Figure 4**  
Pavement marking pricing table

**Minimum charges:** \$715.00, scaffolding not included

**Additional insurance:** May be required to cover adjacent personal and real property

**Pricing rules of thumb:**

Up to 5,000 PSI blast	4 hour minimum \$158.00/hour
5,000 to 10,000 PSI blast	8 hour minimum \$228.00/hour
10,000 PSI blast	8 hour minimum \$282.00/hour
Wet sandblasting	4 hour minimum \$181.00/hour

**Figure 5**  
Waterblasting pricing table

- Delays in beginning the project
- Owner involvement in supervision
- Below-standard working conditions

Don't use contingency allowances as a substitute for complete estimates. Include contingency only to cover what can't be estimated, not what you don't have time to estimate accurately.

## Column Headings Defined

Take another look at Figure 2. The heading describes the surface to be coated: the type, texture, and often, condition. Sections within each surface

heading are divided according to coating material, then by application method, and further into the "Slow," "Medium," and "Fast" application rates.

## Column 1: Labor Productivity

This column shows units of work completed per manhour. My estimates assume that painters are experienced and motivated professionals. The labor productivity categories are shown in Figure 6.

My experience is that a painting company that can handle larger projects will have highly skilled, better qualified and more productive painters. The estimating tables also assume that repainting a surface usually takes about 35 percent more time than painting newly constructed surfaces. Much of this extra time is spent protecting adjacent areas.

<b>Slow</b>	<b>Medium</b>	<b>Fast</b>
Repaint jobs	New commercial projects	New residential production
Custom painting	Industrial painting	Repetitious painting
Tenant improvements	—	—
Small jobs	Medium-sized jobs	Large projects
Single units	Two to four units	Five or more units
Low production	Average production	High production
High difficulty	Average difficulty	Low difficulty
Poor conditions	Average conditions	Good conditions
High quality	Average quality	Minimum quality
Semi-skilled crew	Skilled crew	Highly skilled crew
No supervision	Some supervision	Good supervision

**Figure 6**  
Labor productivity categories

To establish your company's production levels, ask your field superintendent to monitor the time needed to complete each task and to keep records of crew productivity. You can use the Field Production Times and Rates form on pages 419 and 420 to track your painters' productivity. Make copies of the blank form and have your field superintendent or job foreman give one to each painter on every job. Your superintendent should check the forms frequently to insure they are accurate and kept up to date. Your best guide to productivity on future jobs is productivity on jobs already completed, and this form will help you keep track of your production time. Refer back to Figure 2 on page 7. You can use the results collected on these forms to complete the customized figures row under the "Fast" operation in Figure 2 for every operation in the National Painting Cost Estimator. Examples of how to use Figure 2 are on pages 7 through 9. The more you know about your painters' performance, the more accurate your estimates will be. But don't expect your estimates and actual production to always match exactly. Painters are human beings, not robots. You can't expect them to work at the same rate at all times.

### **Reduced Productivity**

The tables in this book assume no overtime work. Excessive overtime puts a strain on your craftsmen and reduces productivity. A few consecutive days of overtime can drag productivity down to well below average. It's good practice not to assign overtime work on more than two consecutive days.

Work efficiency is also lower when men, materials and equipment are confined in a small area or required to work in cluttered, poorly lit or dirty rooms. Painters need elbow room to work efficiently and get maximum productivity. They're also more productive in a clean environment where they can see what they're doing. It's easier — and safer — to work in a well-lighted area that's relatively clear of debris. If the work area is confined or dirty, reduce estimated productivity accordingly.

### **Supervision**

Supervision expense is not included in the cost tables. Add the cost of supervision to your estimates.

Most supervision is done by foremen. Every crew should have a project foreman designated, usually the most experienced and reliable painter on the job. When not supervising, project foremen should be painting.

Thus the project foreman is a working supervisor. Part of the foreman's time will be productive (applying coatings) and part will be nonproductive (directing the work).

If you have more than three or four jobs going at one time, you need a field superintendent. The field superintendent is the foreman's supervisor. His or her primary responsibility is to be sure that each foreman has the manpower, materials and equipment needed to get the job done. The field superintendent should monitor job progress to be sure manhour productivity and materials used are in line with estimates. Field superintendents usually are not working supervisors; all their time is nonproductive. Figure the field superintendent's salary as overhead expense, because you can't charge his salary to a specific job.

Your project foremen and field superintendent can make or break a job. The better they are, the more work will be done. You want a field superintendent who assigns the right painters to the right foreman, and a foreman who puts the right painters on the right tasks. The most experienced tradesmen should work on tasks that require more skill. Other painters should be used where less skill is needed. The project foreman is also responsible for job safety and quality control.

Your estimates will be more competitive if you can assume high productivity. That's only possible when you have good supervision, from both foremen and superintendent, and motivated crews.

### **Allowances for Supervision**

Supervision isn't considered productive labor. A foreman isn't painting when he's scheduling, organizing a job and instructing his workers. Here are my rule-of-thumb allowances for nonproductive labor on painting jobs.

*Custom homes.* Allow 2.5 hours of nonproductive supervision for a home up to 1,500 square feet, 3 hours on a home between 1,500 and 2,000 square feet, 4 hours on a custom home between 2,000 and 2,500 square feet, and 5 hours on a larger home.

*Model homes* in a tract. One hour of nonproductive supervision for each day your crew will be on the job.

*Most tract homes.* One hour per house.

*Higher-quality tract homes.* Two hours per house.

<b>Slow application and light coverage (Repaint jobs)</b>	<b>Medium application and medium coverage (Commercial projects)</b>	<b>Fast application and heavy coverage (Residential tracts)</b>
Repaint jobs	Commercial projects	Residential production
Light usage	Moderate usage	Heavy usage
Low absorption	Moderate absorption	High absorption
Light application	Medium application	Heavy application
Low waste	Moderate waste	High waste
Quality paint	Standard paint	Production paint
Semi-skilled painters	Skilled crew	Highly skilled crew

**Figure 7**  
Material coverage rates

*Apartments and condos.* Allow 1 hour per unit if there are 10 units or less. For 11 to 30 units, allow 0.75 hours of nonproductive time per unit. If there are more than 30 units, allow 0.5 hour per unit.

Nonproductive labor on commercial, industrial, institutional and government projects varies considerably. More complex jobs will require proportionately more nonproductive labor. Use your knowledge based on past experience to estimate supervision either as a percentage of job cost or by the square foot of floor.

coverage is typical on “Slow” (repaint) jobs because previously painted surfaces usually absorb 10 to 15 percent less paint than an unpainted surface. All coverage rates are based on paint that’s been thinned according to the manufacturer’s recommendations.

Of course, coverage varies with the paint you’re using and the surface you’re painting. Paint manufacturers usually list the recommended coverage rate on the container label. I’ve listed estimated coverage rates in the tables throughout this book.

## Column 2: Material Coverage

The second column in the cost tables shows the estimated material coverage in units (usually square feet or linear feet) per gallon. Figure 7 shows the conditions likely to apply for each of the three material coverage rates. Every condition listed in each of these categories won’t necessarily occur on every painting operation. For example, it’s possible to have high waste and use low quality paint on a repaint job. But it’s more likely that waste will be low and paint quality high on jobs like that.

The “Slow” (repaint) application rate assumes light coverage, “Medium” (commercial project) application rate assumes medium coverage and “Fast” (residential tract) application rate assumes heavy coverage. Light

## Calculating Film Thickness

Many project specifications for commercial, industrial and government jobs identify the coating (film) thickness you have to apply to each surface. The thickness is given in mils, or thousandths of an inch. One mil is 0.001 inch.

The thickness of the dry paint film depends on the percentage of solids in the paint. If you apply a gallon of paint containing 100 percent solids over 1,600 square feet, the dry film will be 1 mil thick — that is, if 100 percent of the paint adheres to the wall. But if there’s 10 percent waste (because of paint that’s left in the can, on brushes, or spilled), only 90 percent of the material ends up on the surface.

Slow application	Medium application	Fast application
Repaint jobs	Commercial projects	Residential tracts
Low volume	Medium volume	High volume
20% discount	30% discount	40% discount

**Figure 8**  
Material price discounts

Here's a formula for coverage rates that makes it easy to calculate mil thickness, including the waste factor. Coverage rate equals:

$$\frac{\% \text{ of solids} \times 1600}{\text{mil thickness}} \times (1.00 - \text{waste factor})$$

Here's an example. Assume you're applying paint with 40 percent solids (by volume), using a roller. The waste factor is 10 percent. You need a thickness of 5 mils.

Here's the calculation for the coverage rate:

$$\frac{.40 \times 1600}{5} \times (1.00 - .10) = 115.2 \text{ per gallon}$$

You may have to apply several coats to get a thickness of 5 mils. In any case, you'll have to use one gallon of paint for each 115.2 square feet of surface.

### Waste Factors

Be sure to consider waste and spillage when you figure coverage rates. Professional painters waste very little paint. They rarely kick over a five-gallon paint bucket. But there's always some waste. My material coverage formulas include a typical waste allowance for each application method, whether it's brush, roller or spray. Of course, actual waste depends on the skill of your painters no matter what application method they use.

These are the waste factors I've built into the tables:

Brush .....	3 to 5%
Roll .....	5 to 10%
Airless spray .....	20 to 25%
Conventional spray.....	25 to 35%

### Changes in Paint Formulation

In the late 1970s, the California State Air Resources Board established a "model rule" for lowering the solvent in oil-based paints. They mandated replacing solvent-based paint with water-based formulas. The objective was to lower the amount of solvents escaping into the air. This change in the formulation of oil-based paints is being adopted nationwide.

Changes in paint formulation will affect coverage rates and the cost for non-flat paints. Review actual coverage rates and paint prices and make adjustments where necessary before using the estimates in this book.

### Column 3: Material Pricing

The third column in the cost tables shows the cost of materials. The "Slow," "Medium," and "Fast" prices in each table are based on the discounts usually offered by suppliers for volume purchases by contractor customers. The material discounts used in this book are defined in Figure 8.

The more paint a contractor buys over a given period, the greater the discount that contractor can expect. Most paint contractors get a discount of at least 20 percent off retail. Contractors buying in heavy volume usually get discounts that approach 40 percent off retail.

### Material Pricing Tables

Figures 9, 10 and 11 show the material prices I've used for each of three application rates throughout this book. In the cost estimating tables each coating is identified by a material number. To find out more about the cost of any of these coatings, refer to the material number listed in Figure 9, 10 or 11.



## Material prices at 20% discount

All pricing is based on production grade material purchased in 5 gallon quantities.

		Retail price guide	Contractor price at a 20% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
<b>Interior:</b>						
	Sealer, off white (wet area walls & ceilings)					
#1 -	Water base	50.60	40.48	50.60	54.65	54.70
#2 -	Oil base	67.85	54.28	67.85	73.28	73.30
	Undercoat (doors, casings and other paint grade wood)					
#3 -	Water base	51.80	41.44	51.80	55.94	55.90
#4 -	Oil base	66.49	53.19	66.49	71.81	71.80
	Flat latex (walls, ceilings & paint grade baseboard)					
#5 -	Water base latex paint	46.85	37.48	46.85	50.60	50.60
	Acoustic spray-on texture					
#6 -	Primer	34.85	27.88	34.85	37.64	37.60
#7 -	Finish	45.35	36.28	45.35	48.98	49.00
#8 -	Dripowder mixed (pound)	1.70	1.36	1.70	1.84	1.84
	Enamel (wet area walls & ceilings and openings)					
#9 -	Water base enamel	62.00	49.60	62.00	66.96	67.00
#10 -	Oil base enamel	147.95	118.36	147.95	159.79	159.80
	System Estimate (cabinets, bookshelves, molding, interior windows)					
#11a -	Wiping stain, oil base	80.85	64.68	80.85	87.32	87.30
#11b -	Sanding sealer, lacquer	65.65	52.52	65.65	70.90	70.90
#11c -	Lacquer, semi gloss	81.30	65.04	81.30	87.80	87.80
#11 -	Stain, seal & 2 coat lacquer SYSTEM					
	Average cost (11a + b + (2 x c))		61.82	77.28	83.46	83.50
#12 -	Shellac, clear	107.25	85.80	107.25	115.83	115.80
#13 -	Penetrating oil stain	115.75	92.60	115.75	125.01	125.00
#14 -	Penetrating stain wax (molding)	127.15	101.72	127.15	137.32	137.30
#15 -	Wax, per pound (floors)	27.15	21.72	27.15	29.32	29.30
#16 -	Glazing (mottling over enamel)	82.85	66.28	82.85	89.48	89.50
#17 -	Spray can, each (HVAC registers)	16.38	13.10	16.38	17.69	17.70
<b>Exterior</b>						
	Solid body/color stain (beams, light valance, fascia, overhang, siding, plant-on trim, wood shelves)					
#18 -	Water base stain	62.30	49.84	62.30	67.28	67.30
#19 -	Oil base stain	75.25	60.20	75.25	81.27	81.30
	Semi-transparent stain (beams, siding, T & G ceiling)					
#20 -	Water base stain	61.30	49.04	61.30	66.20	66.20
#21 -	Oil base stain	62.60	50.08	62.60	67.61	67.60
#22 -	Polyurethane (exterior doors)	171.95	137.56	171.95	185.71	185.70
#23 -	Marine spar varnish, flat or gloss (exterior doors)					
	Interior or exterior	114.80	91.84	114.80	123.98	124.00

**Figure 9**  
Material prices at 20% discount

**Material prices at 20% discount (cont.)**

	Retail price guide	Contractor price at a 20% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
Exterior enamel (exterior doors & trim)					
#24 - Water base	74.05	59.24	74.05	79.97	80.00
#25 - Oil base	97.70	78.16	97.70	105.52	105.50
Porch & deck enamel - interior or exterior					
#26 - Water base enamel	74.55	59.64	74.55	80.51	80.50
#27 - Oil base enamel	81.65	65.32	81.65	88.18	88.20
#28 - Epoxy, 1 part, water base	106.55	85.24	106.55	115.07	115.10
#29 - Epoxy, 2 part SYSTEM	181.65	145.32	181.65	196.18	196.20
System Estimate (exterior windows)					
#30a - Wiping stain, oil base	78.65	62.92	78.65	84.94	84.90
#30b - Sanding sealer, varnish	88.55	70.84	88.55	95.63	95.60
#30c - Varnish, flat or gloss	104.05	83.24	104.05	112.37	112.40
#30 - Stain, seal & 1 coat varnish SYSTEM					
Average cost (30a + b + c))		72.33	90.41	97.64	97.60
Masonry paint (masonry, concrete, plaster)					
#31 - Water base, flat or gloss	60.25	48.20	60.25	65.07	65.10
#32 - Oil base paint	79.75	63.80	79.75	86.13	86.10
#33 - Block filler	51.00	40.80	51.00	55.08	55.10
#34 - Waterproofing, clear hydro seal	65.65	52.52	65.65	70.90	70.90
Metal primer, rust inhibitor					
#35 - Clean metal	69.55	55.64	69.55	75.11	75.10
#36 - Rusty metal	88.06	70.45	88.06	95.10	95.10
Metal finish, synthetic enamel, gloss, interior or exterior					
#37 - Off white	72.80	58.24	72.80	78.62	78.60
#38 - Colors (except orange/red)	70.05	56.04	70.05	75.65	75.70
Anti-graffiti stain eliminator					
#39 - Water base primer & sealer	70.00	56.00	70.00	75.60	75.60
#40 - Oil base primer & sealer	75.80	60.64	75.80	81.86	81.90
#41 - Polyurethane 2 part SYSTEM	233.00	186.40	233.00	251.64	251.60
<b>Preparation:</b>					
#42 - Caulking, per fluid ounce	0.77	0.62	0.78	0.84	0.84
Paint remover, per gallon					
#43 - Light duty	57.15	45.72	57.15	61.72	61.70
#44 - Heavy duty	84.00	67.20	84.00	90.72	90.70
#45 - Putty, per pound	12.80	10.24	12.80	13.82	13.80
#46 - Silica sand, per pound	1.05	0.84	1.05	1.13	1.13
#47 - Visqueen, 1.5 mil, 12' x 200' roll	57.40	45.92	57.40	61.99	62.00
#48 - Wood filler, per gallon	71.70	57.36	71.70	77.44	77.40

**Figure 9 (continued)**  
Material prices at 20% discount

**Material prices at 20% discount (cont.)**

	Retail price guide	Contractor price at a 20% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
<b>Industrial:</b>					
#49 - Acid wash (muriatic acid)	48.40	38.72	48.40	52.27	52.30
#50 - Aluminum base paint	205.90	164.72	205.90	222.37	222.40
Epoxy coating, 2 part SYSTEM					
#51 - Clear	244.25	195.40	244.25	263.79	263.80
#52 - White	236.20	188.96	236.20	255.10	255.10
Heat resistant enamel					
#53 - 800 to 1200 degree range	227.15	181.72	227.15	245.32	245.30
#54 - 300 to 800 degree range	214.05	171.24	214.05	231.17	231.20
#55 - Industrial bonding & penetrating oil paint	156.00	124.80	156.00	168.48	168.50
Industrial enamel, oil base, high gloss					
#56 - Light colors	166.30	133.04	166.30	179.60	179.60
#57 - Dark (OSHA) colors	187.00	149.60	187.00	201.96	202.00
#58 - Industrial waterproofing	70.55	56.44	70.55	76.19	76.20
#59 - Vinyl coating (tanks)	195.30	156.24	195.30	210.92	210.90
<b>Wallcovering:</b>					
Ready-mix:					
#60 - Light-weight vinyl (gal)	22.30	17.84	22.30	24.08	24.10
#61 - Heavy weight vinyl (gal)	23.40	18.72	23.40	25.27	25.30
#62 - Cellulose, clear (gal)	19.10	15.28	19.10	20.63	20.60
#63 - Vinyl to vinyl (gal)	46.45	37.16	46.45	50.17	50.20
#64 - Powdered cellulose, 2 - 4 ounces	10.70	8.56	10.70	11.56	11.60
#65 - Powdered vinyl, 2 - 4 ounces	13.15	10.52	13.15	14.20	14.20
#66 - Powdered wheat paste, 2-4 ounces	10.95	8.76	10.95	11.83	11.80

Note: Typically, powdered paste is in 2 to 4 ounce packages which will adhere 6 to 12 rolls of wallcovering.

**Figure 9 (continued)**  
Material prices at 20% discount

**Material prices at 30% discount**

		Retail price guide	Contractor price at a 30% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
<b>Interior:</b>						
	Sealer, off white (wet area walls & ceilings)					
#1 -	Water base	50.60	35.42	44.28	47.82	47.80
#2 -	Oil base	67.85	47.50	59.38	64.13	64.10
	Undercoat (doors, casings and other paint grade wood)					
#3 -	Water base	51.80	36.26	45.33	48.96	49.00
#4 -	Oil base	66.49	46.54	58.18	62.83	62.80
	Flat latex (walls, ceilings & paint grade baseboard)					
#5 -	Water base latex paint	46.85	32.80	41.00	44.28	44.30
	Acoustic spray-on texture					
#6 -	Primer	34.85	24.40	30.50	32.94	32.90
#7 -	Finish	45.35	31.75	39.69	42.87	42.90
#8 -	Dripowder mixed (pound)	1.70	1.19	1.49	1.61	1.61
	Enamel (wet area walls & ceilings and openings)					
#9 -	Water base enamel	62.00	43.40	54.25	58.59	58.60
#10 -	Oil base enamel	147.95	103.57	129.46	139.82	139.80
	System Estimate (cabinets, bookshelves, molding, interior windows)					
#11a -	Wiping stain, oil base	80.85	56.60	70.75	76.41	76.40
#11b -	Sanding sealer, lacquer	65.65	45.96	57.45	62.05	62.10
#11c -	Lacquer, semi gloss	81.30	56.91	71.14	76.83	76.80
#11 -	Stain, seal & 2 coat lacquer SYSTEM					
	Average cost (11a + b + (2 x c))		54.10	67.63	73.04	73.00
#12 -	Shellac, clear	107.25	75.08	93.85	101.36	101.40
#13 -	Penetrating oil stain	115.75	81.03	101.29	109.39	109.40
#14 -	Penetrating stain wax (molding)	127.15	89.01	111.26	120.16	120.20
#15 -	Wax, per pound (floors)	27.15	19.01	23.76	25.66	25.70
#16 -	Glazing (mottling over enamel)	82.85	58.00	72.50	78.30	78.30
#17 -	Spray can, each (HVAC registers)	16.38	11.47	14.34	15.49	15.50
<b>Exterior:</b>						
	Solid body/color stain (beams, light valance, fascia, overhang, siding, plant-on trim, wood shelves)					
#18 -	Water base stain	62.30	43.61	54.51	58.87	58.90
#19 -	Oil base stain	75.25	52.68	65.85	71.12	71.10
	Semi-transparent stain (beams, siding, T & G ceiling)					
#20 -	Water base stain	61.30	42.91	53.64	57.93	57.90
#21 -	Oil base stain	62.60	43.82	54.78	59.16	59.20
#22 -	Polyurethane (exterior doors)	171.95	120.37	150.46	162.50	162.50
#23 -	Marine spar varnish, flat or gloss (exterior doors)					
	Interior or exterior	114.80	80.36	100.45	108.49	108.50

**Figure 10**  
Material prices at 30% discount

**Material prices at 30% discount (cont.)**

	Retail price guide	Contractor price at a 30% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
Exterior enamel (exterior doors & trim)					
#24 - Water base	74.05	51.84	64.80	69.98	70.00
#25 - Oil base	97.70	68.39	85.49	92.33	92.30
Porch & deck enamel - interior or exterior					
#26 - Water base enamel	74.55	52.19	65.24	70.46	70.50
#27 - Oil base enamel	81.65	57.16	71.45	77.17	77.20
#28 - Epoxy, 1 part, water base	106.55	74.59	93.24	100.70	100.70
#29 - Epoxy, 2 part SYSTEM	181.65	127.16	158.95	171.67	171.70
SYSTEM ESTIMATE (exterior windows)					
#30a - Wiping stain, oil base	78.65	55.06	68.83	74.34	74.30
#30b - Sanding sealer, varnish	88.55	61.99	77.49	83.69	83.70
#30c - Varnish, flat or gloss	104.05	72.84	91.05	98.33	98.30
#30 - Stain, seal & 1 coat varnish SYSTEM Average cost (30a + b + c))		63.30	79.13	85.46	85.50
Masonry paint (masonry, concrete, plaster)					
#31 - Water base, flat or gloss	60.25	42.18	52.73	56.95	57.00
#32 - Oil base paint	79.75	55.83	69.79	75.37	75.40
#33 - Block filler	51.00	35.70	44.63	48.20	48.20
#34 - Waterproofing, clear hydro seal	65.65	45.96	57.45	62.05	62.10
Metal primer, rust inhibitor					
#35 - Clean metal	69.55	48.69	60.86	65.73	65.70
#36 - Rusty metal	88.06	61.64	77.05	83.21	83.20
Metal finish, synthetic enamel, gloss, interior or exterior					
#37 - Off white	72.80	50.96	63.70	68.80	68.80
#38 - Colors (except orange/red)	70.05	49.04	61.30	66.20	66.20
Anti-graffiti stain eliminator					
#39 - Water base primer & sealer	70.00	49.00	61.25	66.15	66.20
#40 - Oil base primer & sealer	75.80	53.06	66.33	71.64	71.60
#41 - Polyurethane 2 part SYSTEM	233.00	163.10	203.88	220.19	220.20
<b>Preparation:</b>					
#42 - Caulking, per fluid ounce	0.77	0.54	0.68	0.73	0.73
Paint remover, per gallon					
#43 - Light duty	57.15	40.01	50.01	54.01	54.00
#44 - Heavy duty	84.00	58.80	73.50	79.38	79.40
#45 - Putty, per pound	12.80	8.96	11.20	12.10	12.10
#46 - Silica sand, per pound	1.05	0.74	0.93	1.00	1.00
#47 - Visqueen, 1.5 mil, 12' x 200' roll	57.40	40.18	50.23	54.25	54.30
#48 - Wood filler, per gallon	71.70	50.19	62.74	67.76	67.80

**Figure 10 (continued)**  
Material prices at 30% discount

**Material prices at 30% discount (cont.)**

	Retail price guide	Contractor price at a 30% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
<b>Industrial:</b>					
#49 - Acid wash (muriatic acid)	48.40	33.88	42.35	45.74	45.70
#50 - Aluminum base paint	205.90	144.13	180.16	194.57	194.60
Epoxy coating, 2 part SYSTEM					
#51 - Clear	244.25	170.98	213.73	230.83	230.80
#52 - White	236.20	165.34	206.68	223.21	223.20
Heat resistant enamel					
#53 - 800 to 1200 degree range	227.15	159.01	198.76	214.66	214.70
#54 - 300 to 800 degree range	214.05	149.84	187.30	202.28	202.30
#55 - Industrial bonding & penetrating oil paint	156.00	109.20	136.50	147.42	147.40
Industrial enamel, oil base, high gloss					
#56 - Light colors	166.30	116.41	145.51	157.15	157.20
#57 - Dark (OSHA) colors	187.00	130.90	163.63	176.72	176.70
#58 - Industrial waterproofing	70.55	49.39	61.74	66.68	66.70
#59 - Vinyl coating (tanks)	195.30	136.71	170.89	184.56	184.60

**Wallcovering:**

Ready-mix:

#60 - Light-weight vinyl (gal)	22.30	15.61	19.51	21.07	21.10
#61 - Heavy weight vinyl (gal)	23.40	16.38	20.48	22.12	22.10
#62 - Cellulose, clear (gal)	19.10	13.37	16.71	18.05	18.10
#63 - Vinyl to vinyl (gal)	46.45	32.52	40.65	43.90	43.90
#64 - Powdered cellulose, 2 - 4 ounces	10.70	7.49	9.36	10.11	10.10
#65 - Powdered vinyl, 2 - 4 ounces	13.15	9.21	11.51	12.43	12.40
#66 - Powdered wheat paste, 2-4 ounces	10.95	7.67	9.59	10.36	10.40

Note: Typically, powdered paste is in 2 to 4 ounce packages which will adhere 6 to 12 rolls of wallcovering.

**Figure 10 (continued)**  
Material prices at 30% discount

**Material prices at 40% discount**

		Retail price guide	Contractor price at a 40% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
<b>Interior:</b>						
	Sealer, off white (wet area walls & ceilings)					
#1 -	Water base	50.60	30.36	37.95	40.99	41.00
#2 -	Oil base	67.85	40.71	50.89	54.96	55.00
	Undercoat (doors, casings and other paint grade wood)					
#3 -	Water base	51.80	31.08	38.85	41.96	42.00
#4 -	Oil base	66.49	39.89	49.86	53.85	53.90
	Flat latex (walls, ceilings & paint grade baseboard)					
#5 -	Water base latex paint	46.85	28.11	35.14	37.95	38.00
	Acoustic spray-on texture					
#6 -	Primer	34.85	20.91	26.14	28.23	28.20
#7 -	Finish	45.35	27.21	34.01	36.73	36.70
#8 -	Dripowder mixed (pound)	1.70	1.02	1.28	1.38	1.38
	Enamel (wet area walls & ceilings and openings)					
#9 -	Water base enamel	62.00	37.20	46.50	50.22	50.20
#10 -	Oil base enamel	147.95	88.77	110.96	119.84	119.80
	System Estimate (cabinets, bookshelves, molding, interior windows)					
#11a -	Wiping stain, oil base	80.85	48.51	60.64	65.49	65.50
#11b -	Sanding sealer, lacquer	65.65	39.39	49.24	53.18	53.20
#11c -	Lacquer, semi gloss	81.30	48.78	60.98	65.86	65.90
#11 -	Stain, seal & 2 coat lacquer SYSTEM					
	Average cost (11a + b + (2 x c))		46.37	57.96	62.60	62.60
#12 -	Shellac, clear	107.25	64.35	80.44	86.88	86.90
#13 -	Penetrating oil stain	115.75	69.45	86.81	93.75	93.80
#14 -	Penetrating stain wax (molding)	127.15	76.29	95.36	102.99	103.00
#15 -	Wax, per pound (floors)	27.15	16.29	20.36	21.99	22.00
#16 -	Glazing (mottling over enamel)	82.85	49.71	62.14	67.11	67.10
#17 -	Spray can, each (HVAC registers)	16.38	9.83	12.29	13.27	13.30
<b>Exterior:</b>						
	Solid body/color stain (beams, light valance, fascia, overhang, siding, plant-on trim, wood shelves)					
#18 -	Water base stain	62.30	37.38	46.73	50.47	50.50
#19 -	Oil base stain	75.25	45.15	56.44	60.96	61.00
	Semi-transparent stain (beams, siding, T & G ceiling)					
#20 -	Water base stain	61.30	36.78	45.98	49.66	49.70
#21 -	Oil base stain	62.60	37.56	46.95	50.71	50.70
#22 -	Polyurethane (exterior doors)	171.95	103.17	128.96	139.28	139.30
#23 -	Marine spar varnish, flat or gloss (exterior doors)					
	Interior or exterior	114.80	68.88	86.10	92.99	93.00

**Figure 11**  
Material prices at 40% discount

**Material prices at 40% discount (cont.)**

		Retail price guide	Contractor price at a 40% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
Exterior enamel (exterior doors & trim)						
#24 -	Water base	74.05	44.43	55.54	59.98	60.00
#25 -	Oil base	97.70	58.62	73.28	79.14	79.10
Porch & deck enamel - interior or exterior						
#26 -	Water base enamel	74.55	44.73	55.91	60.38	60.40
#27 -	Oil base enamel	81.65	48.99	61.24	66.14	66.10
#28 -	Epoxy, 1 part, water base	106.55	63.93	79.91	86.30	86.30
#29 -	Epoxy, 2 part SYSTEM	181.65	108.99	136.24	147.14	147.10
System Estimate (exterior windows)						
#30a -	Wiping stain, oil base	78.65	47.19	58.99	63.71	63.70
#30b -	Sanding sealer, varnish	88.55	53.13	66.41	71.72	71.70
#30c -	Varnish, flat or gloss	104.05	62.43	78.04	84.28	84.30
#30 -	Stain, seal & 1 coat varnish SYSTEM					
	Average cost (30a + b + c))		54.25	67.81	73.23	73.20
Masonry paint (masonry, concrete, plaster)						
#31 -	Water base, flat or gloss	60.25	36.15	45.19	48.81	48.80
#32 -	Oil base paint	79.75	47.85	59.81	64.59	64.60
#33 -	Block filler	51.00	30.60	38.25	41.31	41.30
#34 -	Waterproofing, clear hydro seal	65.65	39.39	49.24	53.18	53.20
Metal primer, rust inhibitor						
#35 -	Clean metal	69.55	41.73	52.16	56.33	56.30
#36 -	Rusty metal	88.06	52.84	66.05	71.33	71.30
Metal finish, synthetic enamel, gloss, interior or exterior						
#37 -	Off white	72.80	43.68	54.60	58.97	59.00
#38 -	Colors (except orange/red)	70.05	42.03	52.54	56.74	56.70
Anti-graffiti stain eliminator						
#39 -	Water base primer & sealer	70.00	42.00	52.50	56.70	56.70
#40 -	Oil base primer & sealer	75.80	45.48	56.85	61.40	61.40
#41 -	Polyurethane 2 part SYSTEM	233.00	139.80	174.75	188.73	188.70
<b>Preparation:</b>						
#42 -	Caulking, per fluid ounce	0.77	0.46	0.58	0.63	0.63
Paint remover, per gallon						
#43 -	Light duty	57.15	34.29	42.86	46.29	46.30
#44 -	Heavy duty	84.00	50.40	63.00	68.04	68.00
#45 -	Putty, per pound	12.80	7.68	9.60	10.37	10.40
#46 -	Silica sand, per pound	1.05	0.63	0.79	0.85	0.85
#47 -	Visqueen, 1.5 mil, 12' x 200' roll	57.40	34.44	43.05	46.49	46.50
#48 -	Wood filler, per gallon	71.70	43.02	53.78	58.08	58.10

**Figure 11 (continued)**  
Material prices at 40% discount



**Material prices at 40% discount (cont.)**

	Retail price guide	Contractor price at a 40% discount	Add 15% sundries & 10% escalation	Price with sales tax at 8%	Estimating prices with tax
<b>Industrial:</b>					
#49 - Acid wash (muriatic acid)	48.40	29.04	36.30	39.20	39.20
#50 - Aluminum base paint	205.90	123.54	154.43	166.78	166.80
Epoxy coating, 2 part SYSTEM					
#51 - Clear	244.25	146.55	183.19	197.85	197.90
#52 - White	236.20	141.72	177.15	191.32	191.30
Heat resistant enamel					
#53 - 800 to 1200 degree range	227.15	136.29	170.36	183.99	184.00
#54 - 300 to 800 degree range	214.05	128.43	160.54	173.38	173.40
#55 - Industrial bonding & penetrating oil paint	156.00	93.60	117.00	126.36	126.40
Industrial enamel, oil base, high gloss					
#56 - Light colors	166.30	99.78	124.73	134.71	134.70
#57 - Dark (OSHA) colors	187.00	112.20	140.25	151.47	151.50
#58 - Industrial waterproofing	70.55	42.33	52.91	57.14	57.10
#59 - Vinyl coating (tanks)	195.30	117.18	146.48	158.20	158.20
<b>Wallcovering:</b>					
Ready-mix:					
#60 - Light-weight vinyl (gal)	22.30	13.38	16.73	18.07	18.10
#61 - Heavy weight vinyl (gal)	23.40	14.04	17.55	18.95	19.00
#62 - Cellulose, clear (gal)	19.10	11.46	14.33	15.48	15.50
#63 - Vinyl to vinyl (gal)	46.45	27.87	34.84	37.63	37.60
#64 - Powdered cellulose, 2 - 4 ounces	10.70	6.42	8.03	8.67	8.70
#65 - Powdered vinyl, 2 - 4 ounces	13.15	7.89	9.86	10.65	10.70
#66 - Powdered wheat paste, 2-4 ounces	10.95	6.57	8.21	8.87	8.90
Note: Typically, powdered paste is in 2 to 4 ounce packages which will adhere 6 to 12 rolls of wallcovering.					

**Figure 11 (continued)**  
Material prices at 40% discount

Figure 9 shows prices at a 20 percent discount off retail. It applies to “Slow” work and assumes light coverage on a previously painted surface. These costs would be typical for a lower-volume company handling mostly repaint or custom work.

Figure 10 reflects a 30 percent discount. It applies to “Medium” work and assumes medium coverage, as in commercial work.

Figure 11 is the 40 percent discount table. It applies to “Fast” work and assumes heavier coverage typically required on unpainted surfaces in new construction. This discount is usually available only to large, high-volume painting companies that purchase materials in large quantities.

Here’s an explanation of the columns in Figures 9, 10 and 11:

**Retail price guide:** This is an average based on a survey of up to a dozen paint manufacturers or distributors, for standard grade, construction-quality paint, purchased in five gallon quantities.

Material pricing and discount percentages will vary from supplier to supplier and from area to area. Always keep your supplier’s current price list handy. It should show your current cost for all the coatings and supplies you use. Also post a list of all suppliers, their phone numbers, and the salesperson’s name beside your phone.

Prices change frequently. Paint quality, your supplier’s discount programs, their marketing strategy and competition from other paint manufacturers will influence the price you pay. Never guess about paint prices — especially about less commonly used coatings. Don’t assume that a product you haven’t used before costs about the same as similar products. It might not. A heavy-duty urethane finish, for example, will cost about twice as much as a heavy-duty vinyl coating. If you don’t know that, your profit for the job can disappear very quickly.

**Prices at discount:** The retail price, less the appropriate discount.

**Allowance for sundries:** It’s not practical to figure the cost of every sheet of sandpaper and every rag you’ll use on a job. And there’s no way to accurately

predict how many jobs you’ll get out of each brush or roller pole, roller handle, ladder, or drop cloth. But don’t let that keep you from including an allowance for these important costs in your estimates. If you leave them out, it’s the same as estimating the cost of those items as zero. That’s a 100 percent miss. Too many of those, and you’re out of the painting business. It’s better to estimate any amount than to omit some costs entirely.

Figure 12 is a sundries inventory checklist. Use it to keep track of the actual cost of expendable tools and equipment.

I’ve added 15 percent to the paint cost to cover expendable tools and supplies. This is enough for sundries on most jobs. There is one exception, however. On repaint jobs where there’s extensive prep work, the cost of sundries may be more than 15 percent of the paint cost. When preparation work is extensive, figure the actual cost of supplies. Then add to the estimate that portion of the sundries cost that exceeds 15 percent of the paint cost. You might have to double the normal sundries allowance. When it comes to prep work, make sure your estimate covers all your supplies.

**Price with sales tax at 8 percent:** This column increases the material cost, including sundries, by 8 percent to cover sales tax. If sales tax in your area is more or less than 8 percent, you can adjust the material cost, or use the price that’s closest to your actual cost.

In most cases contractors have to pay sales tax. If you don’t pay the tax yourself, you may have to collect it from the building owner or general contractor and remit it to the state taxing authority. In either case, include sales tax in your estimate.

**Estimating prices with tax:** The figures in the last column of Figures 9 through 11 are rounded to the nearest dime unless the total is under a dollar. Those prices are rounded to the nearest penny.

This system for pricing materials isn’t exact. But it’s quick, easy and flexible. Compare your current material costs with costs in Figures 9, 10 and 11. If your costs are more than a few percent higher or lower than my costs, make a note on the blank line below “Fast” in the estimating tables.

## Sundry Inventory Checklist

**Suppliers:** D-Dumphy Paints  
F-Fisher Paints  
S-Superior Paints  
P-Pioneer Paints

Supplier	Product number	Product	Inventory quantity	Unit	Cost	7/21	7/27	8/2	8/10
D	# —	Bender paint pads	3	Each	\$ 5.88				
D	#792	Brush - 3" nylon <i>Peacock</i>	2	Each	\$ 31.10		1		
D	#783	Brush - 4" nylon <i>Scooter</i>	2	Each	\$ 46.10			1	
D	#115	Brush - 5" nylon <i>Pacer</i>	2	Each	\$ 78.30			1	
D	#784	Brush - 3" bristle	2	Each	\$ 28.90			1	
D	#2170	Caulking bags	2	Each	\$ 6.24				
D	Latex	Caulking-DAP Acrylic latex	12	Each	\$ 3.29		12		
D	#2172	Caulking gun (Newborn)	2	Each	\$ 11.80		1		
P	# —	Hydraulic fluid	2	Qt	\$ 13.40				
P	# —	Lemon oil	2	Pint	\$ 6.68		1		
F	# —	Masking paper 18" wide	3	Roll	\$ 34.20				
F	Anchor	Masking tape 1 1/2"	24	Roll	\$ 5.00		12		12
P	#2176	Lacquer - 5 gallons	2	5's	\$ 151.00			1	
P	#2173	Sanding sealer - 5 gallons	2	5's	\$ 144.00		1		
P	#9850	Resin sealer - 5 gallons	2	5's	\$ 130.00				
P	#131	PVA sealer (clear) - 5 gallons	2	5's	\$ 137.00		1		
F	#8500	Particle masks 100/box	1	Box	\$ 22.40			1	
P	# —	Putty (Crawfords)	3	Qt	\$ 15.10		2		
F	#R-10	Respirators	1	Each	\$ 62.40				1
F	#R-49	Respirator cartridges 20/box	2	Box	\$ 72.50				
F	#R-51	Respirator filters 20/box	2	Box	\$ 51.70			1	
P	# —	Rags - 10 pound sack	2	Sack	\$ 37.20				
F	#AR 691	Roller covers 9" x 3/4"	6	Each	\$ 6.88		2		
F	#AR 692	Roller covers 9" x 3/8"	6	Each	\$ 7.02	3			2
F	#AR 671	Roller covers 7" x 3/4"	3	Each	\$ 5.70			1	
F	#AR 672	Roller covers 7" x 3/8"	3	Each	\$ 6.24		1		

**Figure 12**  
Sundry inventory checklist

Supplier	Product number	Product	Inventory quantity	Unit	Cost	7/21	7/27	8/2	8/10
F	#AR 611	Roller covers mini	3	Each	\$ 4.79			1	
F	#95	Roller frames 9"	6	Each	\$ 8.84	1	2		
F	#75	Roller frames 7"	5	Each	\$ 8.53	3		3	
F	#TSR	Roller frames mini	2	Each	\$ 4.94				
D	#40	Roller poles 4' wood tip	3	Each	\$ 4.36		1		
D	#10	Roller poles 6' wood tip	10	Each	\$ 6.74			2	
P	# 1	Roller pole tips metal	2	Each	\$ 5.40			2	
P	# —	Sandpaper (120C production)	2	Slve	\$ 80.40				1
P	# —	Sandpaper (220A trimite)	2	Slve	\$ 62.50				
P	# —	Sandpaper (220A garnet)	1	Slve	\$ 56.90		1		
D	# —	Spackle (Synkloid)	3	Qt	\$ 8.77	1		1	
D	#42/61	Spray bombs (black <sup>b</sup> /white <sup>w</sup> )	12	Each	\$ 5.11	<sup>b</sup> 12			<sup>w</sup> 12
F	# —	Spray gun tips #3 or #4	10	Each	\$ 12.70			3	
F	#2762	Spray gun couplers	10	Each	\$ 3.45			5	
F	#S-71	Spray socks 48/box	1	Box	\$ 27.60				
D	#5271	Stip fill	1	Gal	\$ 14.80			1	
D	#5927	Strainer bags	2	Each	\$ 2.40	1			
D	#JT-21	Staples - 5/16"	2	Box	\$ 3.90				
P	50 Gal	Thinner, lacquer	1	Drum	\$ 692.00				
P	50 Gal	Thinner, paint	1	Drum	\$ 345.00				1
P	# —	Thinner, shellac (alcohol)	1	Gal	\$ 16.20				
D	# —	Visqueen 1.5 mil 12' x 200'	3	Roll	\$ 40.40				
D	#5775	Work pots (2 gal. plastic)	3	Each	\$ 4.65		1		2
	#				\$				
	#				\$				
	#				\$				
	#				\$				
		Order date:				7/21	7/27	8/2	8/10
		Ordered by: (initials)				JJ	JJ	JJ	JJ
		Purchase order no.				0352	0356	0361	0371

**Figure 12 (continued)**  
Sundry inventory checklist

	Residential Wallcovering				Commercial Wallcovering				Flexible Wood Wallcovering			
Production Rate	Computer Program Crew Code	Labor Cost per Hour	Labor Burden per Hour	Labor Cost + Burden	Computer Program Crew Code	Labor Cost per Hour	Labor Burden per Hour	Labor Cost + Burden	Computer Program Crew Code	Labor Cost per Hour	Labor Burden per Hour	Labor Cost + Burden
Slow	1W	\$25.20	\$6.05	\$31.25	4W	\$24.20	\$5.81	\$30.01	7W	\$24.70	\$5.93	\$30.63
Medium	2W	32.25	9.32	41.57	5W	30.75	8.89	39.64	8W	31.50	9.10	40.60
Fast	3W	39.40	13.91	53.31	6W	37.40	13.20	50.60	9W	38.40	13.56	51.96

**Figure 13**  
Hourly wage rates for wallcovering application

### Price Escalation

Escalation is the change in prices between the time you bid a job and the time you pay for labor and materials. Painting contractors seldom include escalation clauses in their bids because they don't expect lengthy delays. That's why escalation isn't included as a separate item in the estimating forms, Figures 18 and 19.

Any minor price escalation will be covered by the 15 percent added to material prices for sundries. But don't rely on that small cushion to absorb major inflationary cost increases. Plan ahead if prices are rising. In that case, add 10% of your material costs as an escalation factor and include this figure as a separate line item in the estimate.

Many formal construction contracts include an escalator clause that allows the contractor to recover for cost increases during the time of construction — especially if there was an unreasonable delay through no fault of the subcontractor. This clause may give you the right to collect for increases in both labor and material costs.

If work is delayed after you've been awarded the contract, you may be able to recover for cost increases under the escalator clause. This is more likely on public projects than on private jobs. Also, if there's a significant delay due to weather, you may have a good argument for adjusting the contract amount.

You can protect yourself against escalation if you include an expiration date on your bids. If the contract award is delayed beyond your expiration date, you can review your costs and make necessary adjustments.

But be careful here. Increase the bid too much and you'll probably lose the contract. So raise your bid only if necessary, and then only by the amount of the actual cost increases. Don't try to make a killing on the job just because the bid prices have expired.

### Column 4: Labor Cost

Column 4 in Figure 2 on page 7 shows the labor cost per unit. This figure is based on the productivity rate in column 1 and the wage rate in Figure 1. The wage rate for "Slow" (repaint) work is assumed to be \$25.70 per hour. The wage rate for "Medium" (commercial) work is \$32.75 per hour. The wage rate for "Fast" (residential tract) work is \$39.90 per hour. Wage rates for wallcovering are different (Figure 13).

### Wage Rates Vary

Wages vary from city to city. In a listing of hourly construction wage rates in U.S. cities, the lowest rate for painters was \$20.56 an hour in Socorro, New Mexico, and the highest was \$53.47 for painters in New York City, New York. You might ask, "Why don't all the painters in Socorro move to New York City?"

I don't know the answer, except to suggest that painters aren't starving in Socorro. Nor are they getting rich in New York City. Working conditions and the cost of living are very different in those two cities. However, on private jobs using non-union tradesmen, wage rates usually don't vary as much from city to city. The wage you pay depends on the demand for painting and how many painters are available for work.

Wages also change over time. For example, wage rates increased between 2009 and 2019. The national average union wage (including fringes) for painters in large cities went from \$34.62 in 2009 to \$37.82 per hour in 2019. In 2019, the average union wage for commercial work increased to as high as \$52.69 per hour. Always base your estimates on the actual wages you'll pay your **most experienced** painters.

### Wages for Higher Skilled Specialists

Wages also vary with a workers' skill, dependability and with job difficulty. Generally higher paid painters are more productive than lower paid painters. Here's a chart to determine how much more per hour to estimate for supervision and for painting and surface preparation specialists. These figures are in addition to the basic journeyman rate.

Foremen .....	\$2.00 to 6.00
Field superintendents .....	\$9.00 to 12.00
Swing stage brush painters, spray painters, or paperhangers .....	\$1.00
Iron, steel and bridge painters (ground work) .....	\$2.00
Sandblasters, iron, steel, or bridge painters (swing stage) .....	\$4.00
Steeplejacks .....	\$5.00

Most government and defense painting contracts require compliance with the Davis Bacon Act, which specifies that contractors pay at least the prevailing wage for each trade in the area where the job is located.

### Calculate Your Labor Rate

Use the wage rate in Figure 1 (\$25.70, \$32.75 or \$39.90 for "Slow," "Medium," or "Fast") that's appropriate for your company. Or, use a rate somewhere in between the rates listed. If you use your own wage rate, divide the hourly wage by the labor productivity (such as square feet per manhour in column 1). That's your labor cost per unit, say \$28.00/Hour. Multiply by 100 if the units used are 100 linear feet or 100 square feet. ( $\$28 \div 400 \times 100 = \$7.00$ .)

## Column 5: Labor Burden

For each dollar of wages your company pays, at least another 24 percent has to be paid in payroll tax and for insurance. That's part of your labor burden. The rest is fringe benefits such as vacation pay, health benefits and pension plans.

Federal taxes are the same for all employers. State taxes vary from state to state. Fringe benefits vary the most. Generally, larger companies with more skilled painters offer considerably more fringe benefits than smaller companies.

In the estimating tables, the labor burden percentage varies with the application rate. From Figure 1, for "Slow" (repaint) work, it's assumed to be 24.0 percent of \$25.70 or \$6.17 per hour. For "Medium" (commercial) work, the estimating tables use 28.90 percent of \$32.75 or \$9.46 per hour. For "Fast" (residential tract) work, the labor burden is 35.3 percent of \$39.90 or \$14.08 per hour.

Figure 14 shows how the labor burden percentages were compiled for each application rate.

**FICA — Social Security tax:** This is the portion paid by employers and is set by federal law. A similar amount is withheld from each employee's wage and deposited with a Federal Reserve bank by the employer.

**FUTA — Federal Unemployment Insurance tax:** Paid entirely by the employer and set by federal law. No portion is deducted from employee wages.

**SUI — State Unemployment Insurance:** Varies from state to state.

**WCI — Workers' Compensation Insurance:** Provides benefits for employees in case of injury on the job. Workers' comp is required by state law. Rates vary by state, job description and the loss experience of the employer.

**Liab. Ins. — Liability Insurance:** Covers injury or damage done to the public by employees. Comprehensive contractor's liability insurance includes current operations, completed operations, bodily injury, property damage, protective and contractual coverages with a \$1,000,000 policy limit.

	Fixed burden					Fringe benefits					
	FICA	FUTA	SUI	WCI	Liab. Ins.	Vac	Med	Life	Pension	Training	Total
Slow	7.65%	0.6%	3.0%	5.5%	6.25%	0	1.0%	0	0	0	24.00%
Medium	7.65%	0.6%	4.5%	6.5%	6.65%	.5%	2.0%	.25%	.25%	0	28.90%
Fast	7.65%	0.6%	6.0%	8.5%	7.05%	1.5%	3.0%	.25%	0.5%	.25%	35.30%

**Figure 14**  
Labor burden percentages

**Fringe benefits:** *Vac* is vacation pay. *Med* is medical insurance. *Life* is life insurance contribution. *Pension* is a pension plan contribution. *Training* is an apprentice training fund.

Vacation, life, pension and training payments depend on the agreement between employers and employees. These are voluntary contributions if not required by a collective bargaining agreement. Smaller companies are less likely to provide these benefits. The cost of fringe benefits in a painting company can range from zero to more than 10 percent of wages.

## Column 6: Material Cost per Unit

This column is the result of dividing column 3 (material cost) by column 2 (material coverage) for each application rate. For example, in Figure 2 in the “Medium” row, a material cost of \$44.30 is divided by material coverage of 275, then multiplied by 100 to arrive at \$16.11 per 100 square feet. That’s the figure listed for “Medium” in column 6.

## Column 7: Overhead

From Figure 1, the overhead rate for “Slow” (repaint) jobs is assumed to be 19 percent. For “Medium” (commercial projects), overhead is 25 percent. For “Fast” (residential tracts), overhead is 31 percent. The overhead cost per unit in each row is calculated by adding the labor cost per unit, labor burden per unit, and material cost per unit and then multiplying by the appropriate overhead percentage.

There are two types of overhead, direct overhead and indirect overhead. Only indirect overhead is included in the “Overhead” column of the estimating cost tables. Enter your direct overhead costs on a separate line on your take-off sheet.

*Direct overhead* is job site overhead, expenses you charge to a specific job. Examples include performance bonds, special insurance premiums, or rental of a job site storage trailer. These expenses are not included in the estimating tables and have to be added to your estimates. On many jobs, there may be little or no direct overhead.

*Indirect overhead* is office overhead, expenses that aren’t related to any particular job and that tend to continue whether the volume of work increases or decreases. Examples are non-trade salaries, office rent, vehicles, sales and financial expenses, insurance, taxes and licenses.

The percentage of income spent on overhead is assumed to be lower for high volume companies and higher for low volume companies. A large company working many projects at the same time can spread overhead costs over many projects — charging a smaller percentage of overhead to each job. The more jobs, the lower the overhead per job — assuming overhead doesn’t increase faster than business volume.

On the other hand, a small business may have to absorb all overhead on a single job. Even painting contractors who work out of their homes have overhead expenses.

Here's one overhead expense every paint contractor has and that you might overlook: the cost of estimating jobs. That's part of the salary cost of the employee who does the estimating.

### **Figure Overhead Carefully**

Estimating indirect (office) overhead isn't as easy as estimating labor and material. There aren't as many clear-cut answers. That's why indirect overhead is often underestimated. Don't make that mistake in your estimates. Underestimating overhead is the same as giving up part of your profit. After all, indirect overhead expenses are real costs, just like paint, labor and taxes.

In large painting companies, management accumulates indirect overhead costs and translates them into a percentage the estimator should add to the costs of each job. In smaller companies, the estimator should keep a record of indirect overhead expenses. With a good record of overhead expense, you can calculate your overhead percentage for future periods very accurately. Then it's easy to add a percentage for indirect overhead costs into your estimate.

### **Computing Your Overhead Percentage**

Here's how to decide which overhead rate to use in the cost estimating tables:

- 1) List all your overhead expenses for at least the last six months; a year would be better. You need overhead cost information that goes back far enough to eliminate the effect of seasonal changes in business volume

If your company is new, estimate your annual overhead by projecting overhead costs for the first full year. For example, if you've been in business for five months and overhead has been \$5,500 so far, you can expect annual overhead to be about \$13,200 (\$5,500 divided by 5 and multiplied by 12).

- 2) Here's how to calculate your indirect overhead percentage:

$$\frac{\text{Annual indirect overhead}}{\text{Annual job expenses}} = \text{Overhead \%}$$

Calculate your indirect overhead by adding together your real (or anticipated) annual expenses for the following:

**Salaries.** Include what you pay for all employees except trade workers, plus payroll-related expenses for all employees.

**Office and shop expense.** Rent or mortgage, utilities, furniture and equipment, maintenance, office supplies and postage, storage sheds, warehouses, fences or yard maintenance.

**Vehicles.** Lease or purchase payments, maintenance, repairs and fuel.

**Sales promotion.** Advertising, entertainment and sales-related travel.

**Taxes.** Property tax and income tax, and sales tax (if not included in your material prices).

**Licenses.** Contractor's and business licenses.

**Insurance.** General liability, property and vehicle policies.

**Interest expense.** Loan interest and bank charges. Also consider loss of interest on payments retained by the general contractor until the job is finished.

**Miscellaneous expenses.** Depreciation and amortization on building and vehicles, bad debts, legal and accounting fees, and educational expenses.

Direct overhead is easier to figure. It's all job expenses except tradesman labor, payroll taxes and insurance, materials, equipment, subcontracts, and contingency expenses. Permits, bonds, fees and special insurance policies for property owners are also examples of direct overhead. Add the direct overhead expense on the appropriate lines in your estimate. Direct overhead is not included in the estimating tables in this manual.

### **Field Equipment May Be Part of Overhead**

As you may have noticed, there's no equipment cost column in the estimating tables. Instead, field equipment expense is included in the overhead percentage for "Fast" and "Medium" work but not "Slow" work.



## Equipment Rental Rates

Use the following rates only as a guide. They may not be accurate for your area.  
Verify equipment rental rates at your local yard.

	Rental				Rental		
	Day	Week	Month		Day	Week	Month
<b>Acoustical sprayer</b>	71.50	214.00	534.00	<b>Dehumidifier</b> - 5000 Btu, 89 lb, 8.7 amp	87.20	261.00	651.00
<b>Air compressors</b>				<b>Ladders</b>			
Electric or gasoline, wheel mounted				Aluminum extension			
5 CFM, 1.5 HP, electric	43.00	131.00	330.00	16' to 36'	47.20	141.00	354.00
8 CFM, 1.5 HP, electric	51.50	151.00	379.00	40' to 60'	71.50	213.00	534.00
10 CFM, 5.5 HP, gasoline	58.80	175.00	438.00	Step - fiberglass or wood			
15 CFM, shop type, electric	65.70	198.00	496.00	6'	12.50	37.90	94.30
50 CFM, shop type, electric	87.20	261.00	651.00	8'	15.80	47.20	119.00
100 CFM, gasoline	119.00	354.00	887.00	10'	18.90	56.80	141.00
125 CFM, gasoline	133.00	402.00	1,000.00	12'	22.10	66.20	166.00
150 CFM, gasoline	150.00	449.00	1,120.00	14'	25.20	75.80	189.00
175 CFM, gasoline	165.00	496.00	1,240.00	16'	31.50	94.30	236.00
190 CFM, gasoline	180.00	543.00	1,370.00	20'	41.00	122.00	309.00
Diesel, wheel mounted				<b>Ladder jacks</b> - No guardrail.	12.50	31.50	78.60
to 159 CFM	133.00	402.00	1,200.00	<b>Masking paper dispenser</b>	31.50	78.60	197.00
160 to 249 CFM	165.00	495.00	1,480.00	<b>Painter's pic</b> (walkboards); No guardrail.			
250 to 449 CFM	244.00	732.00	2,180.00	(Also known as airplane planks, toothpicks and banana boards)			
450 to 749 CFM	363.00	1,090.00	3,270.00	16' long	12.50	37.90	94.30
750 to 1199 CFM	496.00	1,480.00	4,460.00	20' long	25.20	75.80	189.00
1200 CFM & over	725.00	2,170.00	8,100.00	24' long	31.50	94.30	236.00
<b>Air hose</b> - with coupling, 50' lengths				28' long	37.90	113.00	282.00
1/4" I.D.	9.43	28.70	71.50	32' long	44.40	133.00	330.00
3/8" I.D.	11.10	32.90	82.90	<b>Planks</b> - plain end microlam scaffold plank			
1/2" I.D.	12.50	36.00	94.30	9" wide	15.80	47.20	119.00
5/8" I.D.	14.30	42.90	107.00	10" wide	18.90	56.80	141.00
3/4" I.D.	15.80	47.20	119.00	12" wide	22.00	66.20	166.00
1" I.D.	17.20	51.50	130.00	<b>Pressure washers</b> (See Water pressure washers)			
1-1/2" I.D.	25.20	75.80	190.00	<b>Sandblast compressor and hopper</b>			
<b>Boomlifts</b>				To 250 PSI	94.30	282.00	710.00
3' x 4' to 3' x 8' basket				Over 250 to 300 PSI	134.00	402.00	1,000.00
20' two wheel drive	221.00	662.00	1,980.00	Over 600 to 1000 PSI	172.00	520.00	1,300.00
30' two wheel drive	267.00	804.00	2,410.00	<b>Sandblast machines</b>			
40' four wheel drive	307.00	922.00	2,770.00	150 lb pot with hood, 175 CFM compressor			
50' - 1000 lb.	507.00	1,510.00	4,540.00		363.00	1,090.00	2,730.00
Telescoping and articulating booms, self propelled, gas or diesel powered, 2-wheel drive				300 lb pot with hood, 325 CFM compressor			
21' to 30' high	315.00	944.00	2,820.00		648.00	1,930.00	4,860.00
31' to 40' high	394.00	1,180.00	3,540.00	600 lb pot with hood, 600 CFM compressor			
41' to 50' high	513.00	1,550.00	4,630.00		1,180.00	3,530.00	8,800.00
51' to 60' high	628.00	1,890.00	5,680.00				
<b>Burner, paint</b>	18.90	57.10	141.00				

**Figure 15**  
Typical equipment purchase and rental prices

	Rental				Rental		
	Day	Week	Month		Day	Week	Month
<b>Sandblast hoses</b> - 50' lengths, coupled				Titan 660, 1 HP, electric	125.00	379.00	1,130.00
3/8" I.D.	15.80	47.20	120.00	Gasoline, .75 gpm	134.00	402.00	1,240.00
3/4" I.D.	22.10	66.20	165.00	Emulsion pumps			
1" I.D.	28.20	84.40	213.00	65 gal, 5 HP engine	110.00	332.00	993.00
1-1/4" I.D.	31.50	94.30	237.00	200 gal, 5 HP engine	125.00	374.00	1,130.00
1-1/2" I.D.	34.70	104.00	261.00	Emulsion airless, 1.25 gpm, gasoline			
<b>Sandblast accessories</b>					134.00	402.00	1,240.00
Nozzles, all types	28.20	85.90	213.00	Conventional pumps, gas, portable			
Hood, air-fed	44.10	133.00	332.00	High pressure, low vol. (HVLP)	71.50	213.00	638.00
Valves, remote control (deadman, all sizes)				8 CFM complete	94.30	282.00	850.00
	47.20	141.00	354.00	17 CFM complete	103.00	307.00	922.00
<b>Sanders</b>				85 CFM complete	119.00	354.00	1,060.00
Belt - 3"	22.10	66.20	166.00	150 CFM complete	172.00	520.00	1,570.00
Belt - 4" x 24"	26.80	80.00	202.00	Spray rig accessories: 6' wand	11.10	33.20	82.90
Disc - 7"	34.70	104.00	261.00	<b>Striper, paint</b> (parking lot striping)			
Finish sander, 6"	18.90	56.80	141.00	Aerosol	31.50	94.30	236.00
Floor edger, 7" disk, 29#, 15 amp.				Pressure regulated	45.90	133.00	332.00
	31.50	94.30	236.00	<b>Swing stage, rental</b>			
Floor sander, 8" drum, 118#, 14 amp.				Any length drop, motor operated, excluding safety gear			
	71.00	212.00	534.00	and installation or dismantling. Note: Must be set up by a			
Palm sander, 4" x 4"	15.80	47.20	119.00	professional to ensure safety.			
Palm sander, 4-1/2" x 9-1/4"	18.90	56.80	141.00	Swing stage	158.00	472.00	1,410.00
<b>Scaffolding</b> , rolling stage, caster mounted,				Basket	80.00	237.00	709.00
30" wide by 7' or 10' long				Bosun's chair	80.00	238.00	709.00
4' to 6' reach	62.80	125.00	252.00	<b>Swing stage safety gear, purchase only</b>			
7' to 11' reach	78.60	158.00	315.00	Safety harness (141.00)			
12' to 16' reach	110.00	221.00	441.00	4' lanyard with locking snap at each end (103.00)			
17' to 21' reach	150.00	299.00	598.00	DBI rope grab for 5/8" safety line (110.00)			
22' to 26' reach	166.00	330.00	662.00	Komet rope grab for 3/4" safety line (158.00)			
27' to 30' reach	180.00	362.00	725.00				
Castors - each	15.80	31.50	47.20	<b>Texturing equipment</b>			
<b>Scissor lifts</b>				Texturing gun - w/ hopper, no compressor			
Electric powered, rolling with 2' x 3' platform,					8.00	23.70	71.50
650 lb capacity				Texturing mud paddle mixer	11.10	33.00	100.00
30' high	119.00	354.00	1,060.00	Texturing outfit - 1 HP w/ gun, 50' hose, 75 PSI			
40' high	205.00	616.00	1,840.00		17.40	52.00	156.00
50' high	236.00	710.00	2,130.00	<b>Wallpaper hanging kit</b>	26.80	80.00	241.00
Rolling, self-propelled, hydraulic, electric powered				<b>Wallpaper steamer</b>			
to 20' high	172.00	701.00	1,570.00	Electric, small, 10 amp	31.50	94.30	282.00
21' to 30' high	213.00	637.00	1,920.00	Electric, 15 amp	47.20	141.00	426.00
31' to 40' high	267.00	804.00	2,410.00	Pressurized, electric	59.80	180.00	540.00
Rolling, self-propelled, hydraulic, diesel powered				<b>Water pressure washer</b> (pressure washer, water blaster,			
to 20' high	197.00	592.00	1,780.00	power washer)			
21' to 30' high	244.00	732.00	2,180.00	1000 PSI, electric, 15 amp	71.50	213.00	637.00
31' to 40' high	315.00	946.00	2,820.00	2000 PSI, gas	119.00	354.00	1,060.00
<b>Spray rigs</b>				2500 PSI, gas	125.00	379.00	1,130.00
Airless pumps, complete with gun and 50' of line				3500 PSI, gas	139.00	417.00	1,240.00
Titan 447, 7/8 HP, electric	110.00	332.00	993.00				

**Figure 15 (continued)**  
Typical equipment purchase and rental prices

**New Construction and Commercial Work:** The overhead percentage for “Fast” (residential tract) work and “Medium” (commercial) projects *includes* equipment costs such as ladders, spray equipment, and masking paper holders. Those items are used on many jobs, not just one specific job. The overhead allowance covers equipment purchase payments, along with maintenance, repairs and fuel. If you have to rent equipment for a specific new construction project, add that rental expense as a separate cost item in your estimate.

**Repaint Jobs:** Overhead rates for “Slow” (repaint) work do *not* include equipment costs. When you estimate a repaint job, any small or short-term job, or a job that uses only a small quantity of materials, *add* the cost of equipment at the rental rate — even if the equipment is owned by your company.

Rental yards quote daily, weekly and monthly equipment rental rates. Figure 15 shows typical rental costs for painting equipment. Your actual equipment costs may be different. Here’s a suggestion that can save you more than a few minutes on the telephone collecting rental rates. Make up a blank form like Figure 15 and give it to your favorite rental equipment suppliers. Ask each supplier to fill in current rental costs. Use the completed forms until you notice that rates have changed. Then ask for a new set of rental rates.

### Commissions and Bonuses

Any commissions or bonuses you have to pay on a job aren’t included in the estimating tables. You must add these expenses to your bid.

Painting contractors rarely have a sales staff, so there won’t be sales commissions to pay on most jobs. There’s one exception, however. Most room addition and remodeling contractors have salespeople. And many of their remodeling projects exclude painting. In fact, their contract may specify that the owner is responsible for the painting. These jobs may be a good source of leads for a painting contractor. Develop a relationship with the remodeling contractor’s sales staff (with the remodeling contractor’s approval, of course). If you have to pay a sales commission for the referral, this is direct overhead and has to be added to the estimate.

Some painting contractors pay their estimators a bonus of 1 to 3 percent per job in addition to their salary. If you offer an incentive like this, add the cost to your estimate, again as a direct overhead item.

### An Example of Overhead

Here’s an example of how overhead is added into an estimate. A painting company completed 20 new housing projects in the last year. Average revenue per project was \$50,000. Gross receipts were \$1,000,000 and the company made a 5 percent profit.

Gross income	\$1,000,000
Less the profit earned (5%)	<u>- 50,000</u>
Gross expenses	950,000
Less total direct job cost	- 825,000
Indirect overhead expense	125,000
<u>125,000 (overhead cost)</u>	= 0.1515 or 15.15%
825,000 (direct job cost)	

When you’ve calculated indirect overhead as a percentage of direct job cost, add that percentage to your estimates. If you leave indirect overhead out of your estimates, you’ve left out some very significant costs.

### Column 8: Profit

The estimating tables assume that profit on “Slow” (repaint) jobs is 16 percent, profit on “Medium” (commercial) projects is 12 percent and profit on “Fast” (residential tract) jobs is 7 percent. Calculate the profit per unit by first adding together the costs in columns 4 (labor cost per unit), column 5 (labor burden per unit), column 6 (material costs per unit), and column 7 (overhead per unit). Then multiply the total by the appropriate profit percentage to find the profit per unit.

It’s my experience that larger companies with larger projects can survive with a smaller profit percentage. Stiff competition for high volume tract work forces bidders to trim their profit margin. Many smaller companies doing custom work earn a higher profit margin because they produce better quality work, have fewer jobs, and face less competition.

<b>Risk factor</b>	<b>Normal profit (assume 10%)</b>		<b>Difficulty factor</b>		<b>Proposed profit range</b>
High risk	10%	x	1.5 to 3.5	=	15% to 35%
Average risk	10%	x	1.3 to 1.4	=	13% to 14%
Moderate risk	10%	x	1.0 to 1.2	=	10% to 12%
Low risk	10%	x	0.5 to 0.9	=	5% to 9%

**Figure 16**  
Risk factors and profit margin

### **Profit and Risk**

Profit is usually proportionate to risk. The more risk, the greater the potential profit has to be to attract bidders. Smaller companies handling custom or repaint work have more risk of a major cost overrun because there are many more variables in that type of work. It's usually safe to estimate a smaller profit on new work because new work tends to be more predictable. The risk of loss smaller.

How do you define risk? Here's my definition: Risk is the *headache factor*, the number and size of potential problems you could face in completing the project. Repaint jobs have more unknowns, so they're a greater risk. And dealing with an indecisive or picky homeowner can be the greatest headache of all. You may need to use a profit margin even higher than the 15 to 35 range indicated for high-risk work in Figure 16.

### **Tailoring Your Profit Margin**

Of course, your profit margin has to be based on the job, your company and the competition. But don't cut your profit to the bone just to get more work. Instead, review your bid to see if there are reasons why the standard costs wouldn't apply.

I use the term *standard base bid* to refer to my usual charge for all the estimated costs, including my standard profit. Before submitting any bid, spend a minute or two deciding whether your standard base bid will apply.

### **Risk Factors**

Your assessment of the difficulty of the job may favor assigning a risk factor that could be used to modify your profit percentage. The higher the risk, the higher potential profit should be. My suggestions are in Figure 16.

As you might expect, opinions on difficulty factors can vary greatly. There's a lot of knowledge involved. You need experience and good judgment to apply these factors effectively.

### **Bidding Variables**

Of course, your profit may be affected by an error in evaluating the job risk factor. You can greatly reduce the risk by accurately evaluating the bidding variables in Figure 17. Make adjustments to your standard base bid for example, if you expect your crews to be more or less efficient on this project, or if you expect competition to be intense. If there are logical reasons to modify your standard base bid, make those changes.

But remember, if you adjust your standard base bid, you're not changing your profit margin. You're only allowing for cost variables in the job. Adjust your standard base costs for unusual labor productivity, material or equipment cost changes, or because of unusual overhead conditions. Review the following bidding variables when deciding how to adjust your standard base bid.

<b>Reputations and Attitudes</b> <ul style="list-style-type: none"> <li>■ Owner</li> <li>■ Architect</li> <li>■ General Contractor</li> <li>■ Lender</li> <li>■ Inspector</li> </ul>	<b>The Site</b> <ul style="list-style-type: none"> <li>■ Location (distance from shop and suppliers)</li> <li>■ Accessibility</li> <li>■ Working conditions</li> <li>■ Security requirements</li> <li>■ Safety considerations</li> </ul>
<b>The Project</b> <ul style="list-style-type: none"> <li>■ Building type</li> <li>■ Project size</li> <li>■ Your financial limits</li> <li>■ Start date</li> <li>■ Weather conditions</li> <li>■ Manpower availability and capability</li> </ul>	<b>Competition</b> <ul style="list-style-type: none"> <li>■ Number bidding</li> <li>■ Their strength, size and competence</li> </ul>
<b>Desire for the work</b>	

**Figure 17**  
Bidding variables

### The Bottom Line

The profit margin you include in estimates depends on the way you do business, the kind of work you do, and your competition. Only you can decide what percentage is right for your bids. Don't take another paint estimator's advice on the "correct" profit margin. There's no single correct answer. Use your own judgment. But here are some typical profit margins for the kinds of work most painting contractors do.

Repaints:	Custom	20 to 35%
	Average	15 to 20%
Commercial or industrial		10 to 15%
New residential:	1-4 units	10 to 12%
	5 or more	5 to 7%
Government work		5 to 7%

### Column 9: Total Cost

The costs in Column 9 of Figure 2, and all the estimating tables in this book, are the totals per unit for each application rate in columns 4, 5, 6, 7, and 8. That includes labor, labor burden, material cost, overhead and profit.

## Sample Estimate

Figure 18 is a sample repaint estimate, using the slow production rate, for a small house with many amenities. The final bid total is the bid price. Figure 19 is a blank estimating form for your use.

## This Manual Works Two Ways

This manual is also available by subscription on the Web as part of *National Estimator Cloud*. For only a few dollars a month, you get all ten of Craftsman's 2024 construction cost estimating guides. Each has about 400 pages of current labor and material costs for construction – all neatly organized and indexed. Use these costs to build estimates, bids and invoices for nearly any type of painting or wallcovering project.

### National Estimator Cloud:

- Prints estimates, bids and invoices as Word, Excel or PDF documents.
- Runs as a secure app on the Web so you can write estimates anywhere you have a Web connection.
- Exports invoices to QuickBooks, either desktop or the online.
- Bids and invoices can show as much or as little detail as you want.
- Supports progress billing. Send an invoice for work done during the pay period. *National Estimator Cloud* keeps track of work that's been invoiced and work yet to be billed.
- Material costs are updated regularly as prices change.
- Costs only a few dollars a month. Cancel any time you want.

Date 1/7/24  
 Customer Dan Gleason  
 Address 3333 A Street  
 City/State/Zip Yourtown, USA 77777  
 Phone (619)555-1212  
 Estimated by CHS

Due date 1/15/24  
 Job name Gleason Repaint  
 Job location 3333 A Street  
 Estimate # 14-012  
 Total square feet 1,020 SF (5 rooms)  
 Checked by Jack

### Interior Costs

	Operation	Material	Application Method	Dimensions	Quantity SF/LF/Each	Unit Cost	Total Cost	Formula Page
1	Ceilings - T & G	Semi-Trans-WB	R + B	17.5x15.3x13	348 SF	x .4714 = \$	164.00	86
2	Beams to 13H	Solid Body-WB	R + B	17.5 x 7	122.5 LF	x 3.1148 = \$	382.00	45
3	Ceilings - GYP. Drywal	Orange Peel-Flat	R	127 + 127	254 SF	x .3684 = \$	94.00	65
4	Ceilings - GYP. Drywall	Sealer-WB	R	75 + 15 + 40	130 SF	x .3773 = \$	49.00	65
5	Ceilings - GYP. Drywall	Enamel-WB	R	75 + 15 + 40	130 SF	x .4201 = \$	55.00	65
6	Walls - GYP. Drywall	Orange Peel-Flat	R	675+392+392	1,459 SF	x .3429 = \$	500.00	228
7	Walls - Above 8' (clip)	Orange Peel-Flat	R	70+85=155x13	201.5 SF	x .3429 = \$	69.00	228
8	Walls - GYP. Drywall	Sealer-WB	R	280+128+208	616 SF	x .4100 = \$	253.00	228
9	Walls - GYP. Drywall	Enamel-WB	R	280+128+208	616 SF	x .4711 = \$	290.00	228
10	Doors-Flush	Undercoat-WB	R + B	Opening Count	10 Ea	= 195.79 = \$	196.00	108
11	Doors-Flush	Enamel-WB	R + B	Opening Count	10 Ea	= 213.15 = \$	213.00	108
12	Baseboard - Prime	Flat w/walls	R + B	64 + 49 + 49	162 LF	x .1368 = \$	22.00	43
13	Baseboard - Finish	Enamel-WB	B	11+16+35	62 LF	x .5720 = \$	35.00	43
14	Railing - W.I.-Preprimed	Enamel/Off-white	B	42" High	15 LF	x 2.6304 = \$	39.00	180
15	Valance-Light-2" x 8"	Solid Body Stain	B	2 x 8	10 LF	x 2.4409 = \$	24.00	224
16	Registers	Spray Can	Spray	1,020 SF Home	1,020 SF	x .0839 = \$	86.00	182
17						x = \$		
18						x = \$		
Total Interior Costs (includes overhead and profit) = \$							2,471.00	

### Exterior Costs

	Operation	Material	Application Method	Dimensions	Quantity SF/LF/Each	Unit Cost	Total Cost	Formula Page
1	Roof Jacks - 1 Story	Finish-enamel	B	1 Story	1 House	x 48.70 = \$	49.00	183
2	S.M. Diverter-3" W	Finish-enamel	B	14	14 LF	x .3641 = \$	5.00	198
3	S.M. Vents & Flashing	Finish-enamel	B	1 Story	1 House	x 72.27 = \$	72.00	199
4	Fascia - 2 x 8	Solid-WB-Roll	Roll	66 + 59	125 LF	x 1.1481 = \$	144.00	120
5	Overhang - 24"	Solid-WB-Roll	R + B	(132+76)x15	312 SF	x .9760 = \$	305.00	160
6	Siding - R.S. Wood	Solid-water	Roll	(1/2x24x4.5)x2	108 SF	x .6854 = \$	74.00	210
7	Plaster / Stucco	Masonry - WB	Roll	255+255+204+204	918 SF	x .6289 = \$	577.00	169
8	Door - Panel (Entry)	Enam2 coats-WB	R + B	Entry	1 Ea	x 89.20 = \$	89.00	101
9	Door - Flush	Enam2 coats-WB	R + B	Exterior	1 Ea	x 37.78 = \$	38.00	98
10	Plant-On Trim - 2 x 4	Solid-water	R + B	66 + 62 + 52	180 LF	x .8471 = \$	152.00	162
11	Pass Through-Preprimed	Finish-enamel	B	10	10 LF	x 2.2957 = \$	23.00	162
12	Pot Shelf	Solid-water	R + B	27	27 LF	x 2.8290 = \$	76.00	172
13						x = \$		
14						x = \$		
15						x = \$		
16						x = \$		
17						x = \$		
18						x = \$		
Total Exterior Costs (includes overhead and profit) = \$							1,604.00	

**Figure 18**  
 Sample painting estimate

## Preparation Costs

Operation	Dimensions	Quantity SF/LF/Each	Unit cost Per SF	Total cost	Formula Page
1 Sand/Putty Wood Ceil (Siding x 1.3)	17.5 x 15.3 x 1.3	348 SF	x .2445 = \$	85.00	300
2 Sand and Putty Int. Wall	675 + 392 + 392	1,459 SF	x .2315 = \$	338.00	300
3 Lt. Sand Doors/Frames (Enamel)	14 Ea x 21 SF x 2 Sides	588 SF	x .2934 = \$	173.00	301
4 Wash Int. Walls/Ceil-Enamel	280 + 128 + 208	616 SF	x .2315 = \$	143.00	313
5 Waterblast Exterior Stucco	125 + 210 + 108 + 918	1,361 SF	x .0629 = \$	86.00	315
6 Sand and Putty Ext. Trim	125 + 210 + 108	443 SF	x .4400 = \$	195.00	300
7 Caulk Ext. Windows-1/8" gap	20 + 15 + 10 + 20 + 12	77 SF	x .8161 = \$	63.00	298
8			x = \$		
9			x = \$		
10			x = \$		
Total Preparation Costs (includes overhead and profit) = \$				940.00	

## SURRPTUCU Costs

Operation	Description	Labor hours	Labor w/ Burden (at \$31.86)	Approximate material cost	Totals	Formula Page
SetUp	2 Days @1/day	2.0	63.72	—	64.00	6
Remove/Replace	Hardware & Plates	1.25	39.83	—	40.00	6
Protection	Furniture & Floors	2.0	63.72	43.75	107.00	6
TouchUp is applied as a percentage of the total costs. See <i>Extensions</i>						
CleanUp	2 Days @1/day	2.0	63.72	—	64.00	6

## Equipment Costs

Equipment description	Rental days	Daily cost	Total cost	Formula Page
Pressure Washer	1	101.00	\$ 101.00	34
Ladders, 6', 2 Ea	1	21.00	\$ 21.00	33
Palm Sander 4" x 4"	1	13.40	\$ 13.00	34
			\$	
			\$	
			\$	
Total Equipment Costs			\$ 135.40	

## Extensions

Supervision ( 2 Hr. )	\$ 64.00
Setup	\$ 64.00
Remove/replace	\$ 40.00
Protection	\$ 107.00
Cleanup	\$ 64.00
Equipment	\$ 135.00
Subcontracts	\$ 0
Commissions	\$ 0
Other costs	\$ 0
Subtotal	\$ 474.00
Overhead ( 19 %)	\$ 90.00
Profit ( 16 %)	\$ 76.00
Subtotal	\$ 166.00
Preparation	\$ 1,100.00
Interior total	\$ 2,471.00
Exterior total	\$ 1,604.00
Subtotal	\$ 5,175.00
Touchup ( 10 %)	\$ 518.00
Contingency ( 0 %)	\$ 0
Total base bid	\$ 6,333.00
Adjustment ( -2 %)	\$ <-127.00>
Final bid total	\$ 6,209.00
Price per SF (1020)	\$ 6.08
Price per room ( 5 )	\$ 1,241.00

## Subcontractor Costs

Trade	Bid Amount
Pavement marking	\$ 0
Sandblasting	\$ 0
Scaffolding	\$ 0
Wallcovering	\$ 0
Waterblasting	\$ 0
Other	\$ 0
Other	\$ 0
Other	\$ 0
Total Subcontractor Costs	\$ —

**Figure 18 (continued)**  
Sample painting estimate

Date \_\_\_\_\_  
 Customer \_\_\_\_\_  
 Address \_\_\_\_\_  
 City/State/Zip \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Estimated by \_\_\_\_\_

Due date \_\_\_\_\_  
 Job name \_\_\_\_\_  
 Job location \_\_\_\_\_  
 Estimate # \_\_\_\_\_  
 Total square feet \_\_\_\_\_  
 Checked by \_\_\_\_\_

### Interior Costs

	Operation	Material	Application Method	Dimensions	Quantity SF/LF/Each	Unit Cost	Total Cost
1					x	= \$	
2					x	= \$	
3					x	= \$	
4					x	= \$	
5					x	= \$	
6					x	= \$	
7					x	= \$	
8					x	= \$	
9					x	= \$	
10					x	= \$	
11					x	= \$	
12					x	= \$	
13					x	= \$	
14					x	= \$	
15					x	= \$	
16					x	= \$	
17					x	= \$	
18					x	= \$	
Total Interior Costs (includes overhead and profit) = \$							

### Exterior Costs

	Operation	Material	Application Method	Dimensions	Quantity SF/LF/Each	Unit Cost	Total Cost
1					x	= \$	
2					x	= \$	
3					x	= \$	
4					x	= \$	
5					x	= \$	
6					x	= \$	
7					x	= \$	
8					x	= \$	
9					x	= \$	
10					x	= \$	
11					x	= \$	
12					x	= \$	
13					x	= \$	
14					x	= \$	
15					x	= \$	
16					x	= \$	
17					x	= \$	
18					x	= \$	
Total Exterior Costs (includes overhead and profit) = \$							

**Figure 19**

Blank painting estimate



### Preparation Costs

Operation	Dimensions	Quantity SF/LF/Each		Unit cost	Total cost
1 _____	_____	_____	x	_____ = \$	_____
2 _____	_____	_____	x	_____ = \$	_____
3 _____	_____	_____	x	_____ = \$	_____
4 _____	_____	_____	x	_____ = \$	_____
5 _____	_____	_____	x	_____ = \$	_____
6 _____	_____	_____	x	_____ = \$	_____
7 _____	_____	_____	x	_____ = \$	_____
8 _____	_____	_____	x	_____ = \$	_____
9 _____	_____	_____	x	_____ = \$	_____
10 _____	_____	_____	x	_____ = \$	_____
Total Preparation Costs (includes overhead and profit) = \$					_____

### SURRPTUCU Costs

Operation	Description	Labor hours	Labor cost (at _____)	Material cost	Totals
SetUp	_____	_____	_____	_____	_____
Remove/Replace	_____	_____	_____	_____	_____
Protection	_____	_____	_____	_____	_____
TouchUp is applied as a percentage of the total costs. See <i>Extensions</i>					
CleanUp	_____	_____	_____	_____	_____

### Equipment Costs

Equipment description	Rental days	Daily cost	Total cost
_____	_____	_____ \$	_____
_____	_____	_____ \$	_____
_____	_____	_____ \$	_____
_____	_____	_____ \$	_____
_____	_____	_____ \$	_____
_____	_____	_____ \$	_____
Total Equipment Costs			_____ \$

### Extensions

Supervision (_____)	\$ _____
Setup	\$ _____
Remove/replace	\$ _____
Protection	\$ _____
Cleanup	\$ _____
Equipment	\$ _____
Subcontracts	\$ _____
Commissions	\$ _____
Other costs	\$ _____
Subtotals	\$ _____
Overhead (____%)	\$ _____
Profit (____%)	\$ _____
Subtotal	\$ _____
Preparation	\$ _____
Interior total	\$ _____
Exterior total	\$ _____
Subtotal	\$ _____
Touchup (____%)	\$ _____
Contingency (____%)	\$ _____
Total base bid	\$ _____
Adjustment (____%)	\$ _____
Final bid total	\$ _____
Price per SF (_____)	\$ _____
Price per room (_____)	\$ _____

### Subcontractor Costs

Trade	Bid Amount
Pavement marking	\$ _____
Sandblasting	\$ _____
Scaffolding	\$ _____
Wallcovering	\$ _____
Waterblasting	\$ _____
Other _____	\$ _____
Other _____	\$ _____
Other _____	\$ _____
Total Subcontractor Costs	\$ _____

**Figure 19 (continued)**  
Blank painting estimate

*Part I*

**GENERAL**  
*Painting*  
**COSTS**

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Baseboard, per linear foot</b>									
Roll 1 coat with walls, brush touchup, paint grade base									
Flat latex, water base, (material #5)									
Slow	900	800	50.60	2.86	.68	6.33	1.88	1.88	13.63
Medium	1200	750	44.30	2.73	.77	5.91	2.36	1.41	13.18
Fast	1500	700	38.00	2.66	.96	5.43	2.80	.83	12.68
Enamel, water base (material #9)									
Slow	600	750	67.00	4.28	1.04	8.93	2.71	2.71	19.67
Medium	800	725	58.60	4.09	1.19	8.08	3.34	2.00	18.70
Fast	1000	700	50.20	3.99	1.41	7.17	3.90	1.15	17.62
Enamel, oil base (material #10)									
Slow	600	750	159.80	4.28	1.04	21.31	5.06	5.07	36.76
Medium	800	725	139.80	4.09	1.19	19.28	6.14	3.68	34.38
Fast	1000	700	119.80	3.99	1.41	17.11	6.98	2.06	31.55
Brush 1 coat, cut-in, paint grade base									
Enamel, water base (material #9)									
Slow	100	700	67.00	25.70	6.17	9.57	7.87	7.89	57.20
Medium	120	675	58.60	27.29	7.87	8.68	10.97	6.58	61.39
Fast	140	650	50.20	28.50	10.04	7.72	14.35	4.24	64.85
Enamel, oil base (material #10)									
Slow	100	700	159.80	25.70	6.17	22.83	10.39	10.41	75.50
Medium	120	675	139.80	27.29	7.87	20.71	13.97	8.38	78.22
Fast	140	650	119.80	28.50	10.04	18.43	17.67	5.23	79.87
Spray 1 coat, stain in boneyard, stain grade base									
Wiping stain (material #11a)									
Slow	--	--	--	--	--	--	--	--	--
Medium	1500	1750	76.40	2.18	.65	4.37	1.80	1.08	10.08
Fast	2000	1500	65.50	2.00	.70	4.37	2.19	.65	9.91

Use these figures for 1-1/2 inch to 3 inch baseboard stock, painted or stained on one side. Measurements are based on linear feet of baseboard. Paint grade base is painted after it is installed but stain grade base is usually stained in a boneyard. Typically, finger joint stock is paint grade and butt joint stock is stain grade. These figures include minimal preparation time and material. Add for extensive preparation. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Baseboard, per square foot of floor area</b>									
Roll 1 coat with walls, brush touchup, paint grade base									
Flat latex, water base, (material #5)									
Slow	2500	1500	50.60	1.03	.24	3.37	.88	.88	6.40
Medium	2750	1250	44.30	1.19	.33	3.54	1.27	.76	7.09
Fast	3000	1000	38.00	1.33	.45	3.80	1.74	.51	7.83
Enamel, water base (material #9)									
Slow	2000	1000	67.00	1.29	.30	6.70	1.58	1.58	11.45
Medium	2200	900	58.60	1.49	.41	6.51	2.11	1.26	11.78
Fast	2400	800	50.20	1.66	.61	6.28	2.64	.78	11.97
Enamel, oil base (material #10)									
Slow	2000	1000	159.80	1.29	.30	15.98	3.34	3.35	24.26
Medium	2200	900	139.80	1.49	.41	15.53	4.36	2.62	24.41
Fast	2400	800	119.80	1.66	.61	14.98	5.34	1.58	24.17
Brush 1 coat, cut-in, paint grade base									
Enamel, water base (material #9)									
Slow	500	1500	67.00	5.14	1.23	4.47	2.06	2.06	14.96
Medium	550	1350	58.60	5.95	1.73	4.34	3.00	1.80	16.82
Fast	600	1200	50.20	6.65	2.36	4.18	4.09	1.21	18.49
Enamel, oil base (material #10)									
Slow	500	1500	159.80	5.14	1.23	10.65	3.23	3.24	23.49
Medium	550	1350	139.80	5.95	1.73	10.36	4.51	2.70	25.25
Fast	600	1200	119.80	6.65	2.36	9.98	5.88	1.74	26.61
Spray 1 coat, stain in boneyard, stain grade base									
Wiping stain (material #11a)									
Slow	--	--	--	--	--	--	--	--	--
Medium	4000	1350	76.40	.82	.24	5.66	1.68	1.01	9.41
Fast	5000	1200	65.50	.80	.28	5.46	2.03	.60	9.17

Baseboard measurements are based on square feet of floor area. Use these figures for 1-1/2 inch to 3 inch stock, painted or stained on one side. Stain grade base is to be stained in a boneyard. Typically, finger joint stock is paint grade and butt joint stock is stain grade. These figures include minimal preparation time and material. Add for extensive preparation. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Beams, per linear foot, heights to 13 feet</b>									
Solid body stain, water base (material #18)									
Roll & brush each coat									
Slow	35	50	67.30	73.43	17.62	134.60	42.87	42.96	311.48
Medium	40	45	58.90	81.88	23.65	130.89	59.11	35.46	330.99
Fast	45	40	50.50	88.67	31.27	126.25	76.33	22.58	345.10
Solid body stain, oil base (material #19)									
Roll & brush each coat									
Slow	35	50	81.30	73.43	17.62	162.60	48.19	48.29	350.13
Medium	40	45	71.10	81.88	23.65	158.00	65.89	39.53	368.95
Fast	45	40	61.00	88.67	31.27	152.50	84.47	24.99	381.90
Semi-transparent stain, water base (material #20)									
Roll & brush each coat									
Slow	40	55	66.20	64.25	15.43	120.36	38.01	38.09	276.14
Medium	45	50	57.90	72.78	21.01	115.80	52.40	31.44	293.43
Fast	50	45	49.70	79.80	28.16	110.44	67.71	20.03	306.14
Semi-transparent stain, oil base (material #21)									
Roll & brush each coat									
Slow	40	55	67.60	64.25	15.43	122.91	38.49	38.57	279.65
Medium	45	50	59.20	72.78	21.01	118.40	53.05	31.83	297.07
Fast	50	45	50.70	79.80	28.16	112.67	68.40	20.23	309.26

Beam measurements are based on linear feet of installed 4" x 6" to 8" x 14" beams. High time difficulty factors are already figured into the formulas. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Beams, per linear foot, heights from 13 to 17 feet</b>									
Solid body stain, water base (material #18)									
Roll & brush each coat									
Slow	24	50	67.30	107.08	25.72	134.60	50.80	50.91	369.11
Medium	27	45	58.90	121.30	35.05	130.89	71.81	43.09	402.14
Fast	30	40	50.50	133.00	46.92	126.25	94.92	28.08	429.17
Solid body stain, oil base (material #19)									
Roll & brush each coat									
Slow	24	50	81.30	107.08	25.72	162.60	56.12	56.24	407.76
Medium	27	45	71.10	121.30	35.05	158.00	78.59	47.15	440.09
Fast	30	40	61.00	133.00	46.92	152.50	103.06	30.49	465.97
Semi-transparent stain, water base (material #20)									
Roll & brush each coat									
Slow	28	55	66.20	91.79	22.02	120.36	44.49	44.59	323.25
Medium	31	50	57.90	105.65	30.52	115.80	63.00	37.80	352.77
Fast	34	45	49.70	117.35	41.41	110.44	83.46	24.69	377.35
Semi-transparent stain, oil base (material #21)									
Roll & brush each coat									
Slow	28	55	67.60	91.79	22.02	122.91	44.98	45.07	326.77
Medium	31	50	59.20	105.65	30.52	118.40	63.65	38.19	356.41
Fast	34	45	50.70	117.35	41.41	112.67	84.15	24.89	380.47

Beam measurements are based on linear feet of installed 4" x 6" to 8" x 14" beams. High time difficulty factors are already figured into the formulas. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Beams, per linear foot, heights from 18 to 19 feet</b>									
Solid body stain, water base (material #18)									
Roll & brush each coat									
Slow	16	50	67.30	160.63	38.56	134.60	63.42	63.55	460.76
Medium	18	45	58.90	181.94	52.58	130.89	91.35	54.81	511.57
Fast	20	40	50.50	199.50	70.40	126.25	122.81	36.33	555.29
Solid body stain, oil base (material #19)									
Roll & brush each coat									
Slow	16	50	81.30	160.63	38.56	162.60	68.74	68.88	499.41
Medium	18	45	71.10	181.94	52.58	158.00	98.13	58.88	549.53
Fast	20	40	61.00	199.50	70.40	152.50	130.95	38.74	592.09

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
Semi-transparent stain, water base (material #20)									
Roll & brush each coat									
Slow	19	55	66.20	135.26	32.47	120.36	54.74	54.85	397.68
Medium	21	50	57.90	155.95	45.05	115.80	79.21	47.52	443.53
Fast	23	45	49.70	173.48	61.23	110.44	107.00	31.65	483.80
Semi-transparent stain, oil base (material #21)									
Roll & brush each coat									
Slow	19	55	67.60	135.26	32.47	122.91	55.22	55.34	401.20
Medium	21	50	59.20	155.95	45.05	118.40	79.86	47.91	447.17
Fast	23	45	50.70	173.48	61.23	112.67	107.69	31.86	486.93

Beam measurements are based on linear feet of installed 4" x 6" to 8" x 14" beams. High time difficulty factors are already figured into the formulas. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Beams, per linear foot, heights from 20 to 21 feet</b>									
Solid body stain, water base (material #18)									
Roll & brush each coat									
Slow	12	50	67.30	214.17	51.40	134.60	76.03	76.19	552.39
Medium	14	45	58.90	233.93	67.58	130.89	108.11	64.86	605.37
Fast	16	40	50.50	249.38	88.00	126.25	143.73	42.52	649.88
Solid body stain, oil base (material #19)									
Roll & brush each coat									
Slow	12	50	81.30	214.17	51.40	162.60	81.35	81.52	591.04
Medium	14	45	71.10	233.93	67.58	158.00	114.89	68.93	643.33
Fast	16	40	61.00	249.38	88.00	152.50	151.87	44.92	686.67
Semi-transparent stain, water base (material #20)									
Roll & brush each coat									
Slow	14	55	66.20	183.57	44.08	120.36	66.12	66.26	480.39
Medium	16	50	57.90	204.69	59.12	115.80	94.91	56.95	531.47
Fast	18	45	49.70	221.67	78.24	110.44	127.21	37.63	575.19
Semi-transparent stain, oil base (material #21)									
Roll & brush each coat									
Slow	14	55	67.60	183.57	44.08	122.91	66.60	66.74	483.90
Medium	16	50	59.20	204.69	59.12	118.40	95.56	57.34	535.11
Fast	18	45	50.70	221.67	78.24	112.67	127.90	37.83	578.31

Beam measurements are based on linear feet of installed 4" x 6" to 8" x 14" beams. High time difficulty factors are already figured into the formulas. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Bookcases and shelves, paint grade, brush application</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	25	300	55.90	102.80	24.68	18.63	27.76	27.82	201.69
Medium	30	280	49.00	109.17	31.52	17.50	39.56	23.73	221.48
Fast	35	260	42.00	114.00	40.22	16.15	52.82	15.62	238.81
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	25	340	71.80	102.80	24.68	21.12	28.23	28.29	205.12
Medium	30	318	62.80	109.17	31.52	19.75	40.12	24.07	224.63
Fast	35	295	53.90	114.00	40.22	18.27	53.48	15.82	241.79
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 + #9)									
Roll & brush each coat									
Slow	40	350	61.45	64.25	15.43	17.56	18.47	18.51	134.22
Medium	45	328	53.80	72.78	21.01	16.40	27.55	16.53	154.27
Fast	50	305	46.10	79.80	28.16	15.11	38.15	11.29	172.51
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 + #10)									
Roll & brush each coat									
Slow	40	350	115.80	64.25	15.43	33.09	21.42	21.47	155.66
Medium	45	328	101.30	72.78	21.01	30.88	31.17	18.70	174.54
Fast	50	305	86.85	79.80	28.16	28.48	42.30	12.51	191.25
Enamel, water base (material #9)									
Roll & brush 1st finish coat									
Slow	35	340	67.00	73.43	17.62	19.71	21.04	21.09	152.89
Medium	40	318	58.60	81.88	23.65	18.43	30.99	18.60	173.55
Fast	45	295	50.20	88.67	31.27	17.02	42.47	12.56	191.99
Roll & brush 2nd or additional finish coats									
Slow	40	350	67.00	64.25	15.43	19.14	18.77	18.81	136.40
Medium	45	328	58.60	72.78	21.01	17.87	27.92	16.75	156.33
Fast	50	305	50.20	79.80	28.16	16.46	38.57	11.41	174.40
Enamel, oil base (material #10)									
Roll & brush 1st finish coat									
Slow	35	340	159.80	73.43	17.62	47.00	26.23	26.28	190.56
Medium	40	318	139.80	81.88	23.65	43.96	37.38	22.43	209.30
Fast	45	295	119.80	88.67	31.27	40.61	49.78	14.73	225.06
Roll & brush 2nd or additional finish coats									
Slow	40	350	159.80	64.25	15.43	45.66	23.81	23.86	173.01
Medium	45	318	139.80	72.78	21.01	43.96	34.44	20.67	192.86
Fast	50	305	119.80	79.80	28.16	39.28	45.65	13.50	206.39

Bookcase and shelf estimates are based on overall dimensions (length times width) to 8 feet high and include painting all exposed surfaces (including stiles, interior shelves and backs). For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Bookcases and shelves, paint grade, spray application</b>									
Undercoat, water base (material #3)									
Spray 1 coat									
Slow	150	145	55.90	17.13	4.13	38.55	11.36	11.38	82.55
Medium	165	133	49.00	19.85	5.73	36.84	15.61	9.36	87.39
Fast	175	120	42.00	22.80	8.02	35.00	20.41	6.04	92.27
Undercoat, oil base (material #4)									
Spray 1 coat									
Slow	150	145	71.80	17.13	4.13	49.52	13.44	13.47	97.69
Medium	165	133	62.80	19.85	5.73	47.22	18.20	10.92	101.92
Fast	175	120	53.90	22.80	8.02	44.92	23.49	6.95	106.18
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 + #9)									
Spray each coat									
Slow	245	195	61.45	10.49	2.51	31.51	8.46	8.48	61.45
Medium	270	183	53.80	12.13	3.49	29.40	11.26	6.76	63.04
Fast	295	170	46.10	13.53	4.77	27.12	14.08	4.17	63.67
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 + #10)									
Spray each coat									
Slow	245	195	115.80	10.49	2.51	59.38	13.75	13.78	99.91
Medium	270	183	101.30	12.13	3.49	55.36	17.75	10.65	99.38
Fast	295	170	86.85	13.53	4.77	51.09	21.51	6.36	97.26
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	225	170	67.00	11.42	2.73	39.41	10.18	10.20	73.94
Medium	250	158	58.60	13.10	3.78	37.09	13.50	8.10	75.57
Fast	275	145	50.20	14.51	5.14	34.62	16.82	4.97	76.06
Spray 2nd or additional finish coats									
Slow	245	195	67.00	10.49	2.51	34.36	9.00	9.02	65.38
Medium	270	183	58.60	12.13	3.49	32.02	11.92	7.15	66.71
Fast	295	170	50.20	13.53	4.77	29.53	14.83	4.39	67.05
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	225	170	159.80	11.42	2.73	94.00	20.55	20.59	149.29
Medium	250	158	139.80	13.10	3.78	88.48	26.34	15.81	147.51
Fast	275	145	119.80	14.51	5.14	82.62	31.70	9.38	143.35
Spray 2nd or additional finish coats									
Slow	245	195	159.80	10.49	2.51	81.95	18.04	18.08	131.07
Medium	270	183	139.80	12.13	3.49	76.39	23.01	13.80	128.82
Fast	295	170	119.80	13.53	4.77	70.47	27.52	8.14	124.43

Bookcase and shelf estimates are based on overall dimensions (length times width) to 8 feet high and include painting all exposed surfaces (including stiles, interior shelves and backs). For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Bookcases and shelves, stain grade</b>									
Stain, seal & lacquer (7 step process)									
STEP 1: Sand & putty;									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	125	--	--	26.20	7.57	--	8.44	5.07	47.28
Fast	150	--	--	26.60	9.40	--	11.16	3.30	50.46
STEP 2 & 3: Stain (material #11a) & wipe									
Brush 1 coat & wipe									
Slow	75	500	87.30	34.27	8.21	17.46	11.39	11.41	82.74
Medium	85	475	76.40	38.53	11.11	16.08	16.44	9.86	92.02
Fast	95	450	65.50	42.00	14.84	14.56	22.13	6.55	100.08
Spray 1 coat & wipe									
Slow	300	175	87.30	8.57	2.04	49.89	11.50	11.52	83.52
Medium	400	138	76.40	8.19	2.36	55.36	16.48	9.89	92.28
Fast	500	100	65.50	7.98	2.82	65.50	23.65	7.00	106.95
STEP 4: Sanding sealer (material #11b)									
Brush 1 coat									
Slow	130	550	70.90	19.77	4.74	12.89	7.11	7.12	51.63
Medium	140	525	62.10	23.39	6.75	11.83	10.50	6.30	58.77
Fast	150	500	53.20	26.60	9.40	10.64	14.46	4.28	65.38
Spray 1 coat									
Slow	375	175	70.90	6.85	1.66	40.51	9.31	9.33	67.66
Medium	475	138	62.10	6.89	2.02	45.00	13.47	8.08	75.46
Fast	575	100	53.20	6.94	2.45	53.20	19.40	5.74	87.73
STEP 5: Sand lightly									
Slow	175	--	--	14.69	3.51	--	3.46	3.47	25.13
Medium	225	--	--	14.56	4.18	--	4.69	2.82	26.25
Fast	275	--	--	14.51	5.14	--	6.09	1.80	27.54
STEP 6 & 7: Lacquer (material #11c), 2 coats									
Brush 1st coat									
Slow	140	400	87.80	18.36	4.40	21.95	8.50	8.52	61.73
Medium	185	375	76.80	17.70	5.14	20.48	10.83	6.50	60.65
Fast	245	350	65.90	16.29	5.73	18.83	12.67	3.75	57.27
Brush 2nd coat									
Slow	155	425	87.80	16.58	3.98	20.66	7.83	7.85	56.90
Medium	208	413	76.80	15.75	4.55	18.60	9.73	5.84	54.47
Fast	260	400	65.90	15.35	5.43	16.48	11.55	3.42	52.23
Spray 1st coat									
Slow	340	175	87.80	7.56	1.81	50.17	11.31	11.34	82.19
Medium	458	138	76.80	7.15	2.05	55.65	16.22	9.73	90.80
Fast	575	100	65.90	6.94	2.45	65.90	23.34	6.90	105.53

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Spray 2nd coat</b>									
Slow	430	200	87.80	5.98	1.45	43.90	9.75	9.77	70.85
Medium	530	163	76.80	6.18	1.80	47.12	13.77	8.26	77.13
Fast	630	125	65.90	6.33	2.25	52.72	19.00	5.62	85.92
<b>Complete 7 step stain, seal &amp; lacquer process (material #11)</b>									
Brush all coats									
Slow	30	160	83.50	85.67	20.55	52.19	30.10	30.16	218.67
Medium	35	150	73.00	93.57	27.02	48.67	42.32	25.39	236.97
Fast	40	140	62.60	99.75	35.20	44.71	55.70	16.48	251.84
Spray all coats									
Slow	65	60	83.50	39.54	9.48	139.17	35.76	35.83	259.78
Medium	83	48	73.00	39.46	11.40	152.08	50.74	30.44	284.12
Fast	100	35	62.60	39.90	14.08	178.86	72.18	21.35	326.37
<b>Shellac, clear (material #12)</b>									
Brush each coat									
Slow	205	570	115.80	12.54	3.01	20.32	6.82	6.83	49.52
Medium	230	545	101.40	14.24	4.12	18.61	9.24	5.55	51.76
Fast	255	520	86.90	15.65	5.51	16.71	11.74	3.47	53.08
<b>Varnish, flat or gloss (material #30c)</b>									
Brush each coat									
Slow	175	450	112.40	14.69	3.51	24.98	8.21	8.23	59.62
Medium	200	438	98.30	16.38	4.73	22.44	10.89	6.53	60.97
Fast	225	425	84.30	17.73	6.24	19.84	13.59	4.02	61.42
<b>Penetrating stain wax (material #14) &amp; polish</b>									
Brush 1st coat									
Slow	150	595	137.30	17.13	4.13	23.08	8.42	8.44	61.20
Medium	175	558	120.20	18.71	5.39	21.54	11.42	6.85	63.91
Fast	200	520	103.00	19.95	7.04	19.81	14.51	4.29	65.60
Brush 2nd or additional coats									
Slow	175	600	137.30	14.69	3.51	22.88	7.81	7.83	56.72
Medium	200	575	120.20	16.38	4.73	20.90	10.50	6.30	58.81
Fast	225	550	103.00	17.73	6.24	18.73	13.24	3.92	59.86

Bookcase and shelf estimates are based on overall dimensions (length times width) to 8 feet high and include painting all exposed surfaces (including stiles, interior shelves and backs). For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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**Cabinet backs, paint grade, brush**

Flat latex, water base (material #5)

Brush each coat

Slow	100	300	50.60	25.70	6.17	16.87	9.26	9.28	67.28
Medium	150	275	44.30	21.83	6.32	16.11	11.06	6.64	61.96
Fast	200	250	38.00	19.95	7.04	15.20	13.08	3.87	59.14

Enamel, water base (material #9)

Brush each coat

Slow	80	275	67.00	32.13	7.71	24.36	12.20	12.22	88.62
Medium	130	250	58.60	25.19	7.27	23.44	13.98	8.39	78.27
Fast	175	225	50.20	22.80	8.02	22.31	16.48	4.87	74.48

Enamel, oil base (material #10)

Brush each coat

Slow	80	275	159.80	32.13	7.71	58.11	18.61	18.65	135.21
Medium	130	250	139.80	25.19	7.27	55.92	22.10	13.26	123.74
Fast	175	225	119.80	22.80	8.02	53.24	26.07	7.71	117.84

Cabinet back estimates are based on overall dimensions (length times width) to 8 feet high and include painting the inside back wall of paint grade or stain grade cabinets. ADD for preparation time. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Measurements are based on total area of cabinet faces. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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**Cabinet faces, stain grade**

Complete 7 step stain, seal &amp; 2 coat lacquer system (material #11)

Brush all coats

Slow	20	190	83.50	128.50	30.85	43.95	38.63	38.71	280.64
Medium	35	178	73.00	93.57	27.02	41.01	40.41	24.24	226.25
Fast	50	165	62.60	79.80	28.16	37.94	45.23	13.38	204.51

Spray all coats

Slow	85	67	83.50	30.24	7.24	124.63	30.80	30.87	223.78
Medium	110	51	73.00	29.77	8.60	143.14	45.38	27.23	254.12
Fast	135	35	62.60	29.56	10.44	178.86	67.84	20.07	306.77

Cabinet face estimates are based on overall dimensions (length times width) to 8 feet high. Use these figures to estimate finishing the faces of stain grade kitchen, bar, linen, pullman or vanity cabinets. ADD for preparation time. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Measurements are based on total area of cabinet faces. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Cabinets, paint grade, roll and brush</b>									
Undercoat, water base (material #3)									
Roll & brush, 1 coat									
Slow	75	260	55.90	34.27	8.21	21.50	12.16	12.18	88.32
Medium	93	250	49.00	35.22	10.16	19.60	16.25	9.75	90.98
Fast	110	240	42.00	36.27	12.80	17.50	20.64	6.10	93.31
Undercoat, oil base (material #4)									
Roll & brush, 1 coat									
Slow	75	275	71.80	34.27	8.21	26.11	13.03	13.06	94.68
Medium	93	268	62.80	35.22	10.16	23.43	17.21	10.32	96.34
Fast	110	250	53.90	36.27	12.80	21.56	21.90	6.48	99.01
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 + #9)									
Roll & brush each coat									
Slow	95	310	61.45	27.05	6.51	19.82	10.14	10.16	73.68
Medium	113	298	53.80	28.98	8.38	18.05	13.85	8.31	77.57
Fast	130	285	46.10	30.69	10.82	16.18	17.89	5.29	80.87
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 + #10)									
Roll & brush each coat									
Slow	95	310	115.80	27.05	6.51	37.35	13.47	13.50	97.88
Medium	113	298	101.30	28.98	8.38	33.99	17.84	10.70	99.89
Fast	130	285	86.85	30.69	10.82	30.47	22.32	6.60	100.90
Enamel, water base (material #9)									
Roll & brush 1st finish coat									
Slow	85	300	67.00	30.24	7.24	22.33	11.37	11.39	82.57
Medium	103	288	58.60	31.80	9.19	20.35	15.34	9.20	85.88
Fast	120	275	50.20	33.25	11.72	18.25	19.60	5.80	88.62
Roll & brush 2nd or additional finish coats									
Slow	95	310	67.00	27.05	6.51	21.61	10.48	10.50	76.15
Medium	113	298	58.60	28.98	8.38	19.66	14.26	8.55	79.83
Fast	130	285	50.20	30.69	10.82	17.61	18.33	5.42	82.87
Enamel, oil base (material #10)									
Roll & brush 1st finish coat									
Slow	85	300	159.80	30.24	7.24	53.27	17.25	17.28	125.28
Medium	103	288	139.80	31.80	9.19	48.54	22.38	13.43	125.34
Fast	120	275	119.80	33.25	11.72	43.56	27.45	8.12	124.10
Roll & brush 2nd or additional finish coats									
Slow	95	310	159.80	27.05	6.51	51.55	16.17	16.20	117.48
Medium	113	298	139.80	28.98	8.38	46.91	21.07	12.64	117.98
Fast	130	285	119.80	30.69	10.82	42.04	25.90	7.66	117.11

Cabinet estimates are based on overall dimensions (length times width) to 8 feet high and include painting the cabinet face, back of doors, stiles and rails. See Cabinet backs for painting the inside back wall of the cabinets. Use these figures to estimate paint grade kitchen cabinets. Use the Opening Count Method to estimate paint grade pullmans, vanities, bars or linen cabinets. For heights above 8 feet, apply the High Time Difficulty Factors to labor costs and the labor burden cost categories and add these figures to the total cost. Measurements are based on total area of cabinet faces. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Cabinets, paint grade, spray application</b>									
Undercoat, water base (material #3)									
Spray 1 coat									
Slow	125	125	55.90	20.56	4.94	44.72	13.34	13.37	96.93
Medium	140	113	49.00	23.39	6.75	43.36	18.38	11.03	102.91
Fast	155	100	42.00	25.74	9.08	42.00	23.82	7.05	107.69
Undercoat, oil base (material #4)									
Spray 1 coat									
Slow	125	135	71.80	20.56	4.94	53.19	14.95	14.98	108.62
Medium	140	123	62.80	23.39	6.75	51.06	20.30	12.18	113.68
Fast	155	110	53.90	25.74	9.08	49.00	25.99	7.69	117.50
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 + #9)									
Spray each coat									
Slow	200	175	61.45	12.85	3.09	35.11	9.70	9.72	70.47
Medium	225	163	53.80	14.56	4.18	33.01	12.95	7.77	72.47
Fast	250	150	46.10	15.96	5.63	30.73	16.22	4.80	73.34
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 + #10)									
Spray each coat									
Slow	200	175	115.80	12.85	3.09	66.17	15.60	15.63	113.34
Medium	225	163	101.30	14.56	4.18	62.15	20.23	12.14	113.26
Fast	250	150	86.85	15.96	5.63	57.90	24.64	7.29	111.42
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	185	150	67.00	13.89	3.35	44.67	11.76	11.78	85.45
Medium	210	138	58.60	15.60	4.49	42.46	15.64	9.39	87.58
Fast	235	125	50.20	16.98	6.02	40.16	19.57	5.79	88.52
Spray 2nd or additional finish coats									
Slow	200	175	67.00	12.85	3.09	38.29	10.30	10.32	74.85
Medium	225	163	58.60	14.56	4.18	35.95	13.68	8.21	76.58
Fast	250	150	50.20	15.96	5.63	33.47	17.07	5.05	77.18
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	185	160	159.80	13.89	3.35	99.88	22.25	22.30	161.67
Medium	210	148	139.80	15.60	4.49	94.46	28.64	17.19	160.38
Fast	235	135	119.80	16.98	6.02	88.74	34.63	10.24	156.61
Spray 2nd or additional finish coats									
Slow	200	185	159.80	12.85	3.09	86.38	19.44	19.48	141.24
Medium	225	173	139.80	14.56	4.18	80.81	24.90	14.94	139.39
Fast	250	160	119.80	15.96	5.63	74.88	29.91	8.85	135.23

Cabinet estimates are based on overall dimensions (length times width) to 8 feet high and include painting the cabinet face, back of doors, stiles and rails. See Cabinet backs for painting the inside back wall of the cabinets. Use these figures to estimate paint grade kitchen cabinets. Use the Opening Count Method to estimate paint grade pullmans, vanities, bars or linen cabinets. For heights above 8 feet, apply the High Time Difficulty Factors to labor costs and the labor burden cost categories and add these figures to the total cost. Measurements are based on total area of cabinet faces. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Cabinets, stain grade</b>									
Stain, seal & 2 coats lacquer system (7 step process)									
STEP 1: Sand & putty;									
Slow	125	--	--	20.56	4.94	--	4.84	4.85	35.19
Medium	150	--	--	21.83	6.32	--	7.04	4.22	39.41
Fast	175	--	--	22.80	8.02	--	9.56	2.83	43.21
STEP 2 & 3: Stain (material #11a) & wipe									
Brush 1 coat & wipe									
Slow	65	450	87.30	39.54	9.48	19.40	13.00	13.03	94.45
Medium	75	400	76.40	43.67	12.60	19.10	18.85	11.31	105.53
Fast	85	350	65.50	46.94	16.54	18.71	25.49	7.54	115.22
Spray 1 coat & wipe									
Slow	250	175	87.30	10.28	2.47	49.89	11.90	11.93	86.47
Medium	350	138	76.40	9.36	2.71	55.36	16.86	10.11	94.40
Fast	450	100	65.50	8.87	3.11	65.50	24.03	7.11	108.62
STEP 4: Sanding sealer (material #11b)									
Brush 1 coat									
Slow	110	450	70.90	23.36	5.61	15.76	8.50	8.52	61.75
Medium	120	425	62.10	27.29	7.87	14.61	12.45	7.47	69.69
Fast	130	400	53.20	30.69	10.82	13.30	16.99	5.03	76.83
Spray 1 coat									
Slow	330	175	70.90	7.79	1.87	40.51	9.53	9.55	69.25
Medium	430	138	62.10	7.62	2.21	45.00	13.71	8.22	76.76
Fast	530	100	53.20	7.53	2.67	53.20	19.65	5.81	88.86
STEP 5: Sand lightly									
Slow	200	--	--	12.85	3.09	--	3.03	3.03	22.00
Medium	250	--	--	13.10	3.78	--	4.22	2.53	23.63
Fast	300	--	--	13.30	4.68	--	5.58	1.65	25.21
STEP 6 & 7: Lacquer (material #11c), 2 coats									
Brush 1st coat									
Slow	120	375	87.80	21.42	5.13	23.41	9.49	9.51	68.96
Medium	165	350	76.80	19.85	5.73	21.94	11.88	7.13	66.53
Fast	215	325	65.90	18.56	6.54	20.28	14.07	4.16	63.61
Brush 2nd coat									
Slow	130	400	87.80	19.77	4.74	21.95	8.83	8.85	64.14
Medium	173	388	76.80	18.93	5.47	19.79	11.05	6.63	61.87
Fast	225	375	65.90	17.73	6.24	17.57	12.88	3.81	58.23
Spray 1st coat									
Slow	275	150	87.80	9.35	2.25	58.53	13.32	13.35	96.80
Medium	388	100	76.80	8.44	2.45	76.80	21.92	13.15	122.76
Fast	500	75	65.90	7.98	2.82	87.87	30.59	9.05	138.31

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Spray 2nd coat									
Slow	350	200	87.80	7.34	1.77	43.90	10.07	10.09	73.17
Medium	475	163	76.80	6.89	2.02	47.12	14.00	8.40	78.43
Fast	600	125	65.90	6.65	2.36	52.72	19.13	5.66	86.52
Complete 7 step stain, seal & 2 coat lacquer system (material #11)									
Brush all coats									
Slow	20	125	83.50	128.50	30.85	66.80	42.97	43.06	312.18
Medium	25	113	73.00	131.00	37.84	64.60	58.37	35.02	326.83
Fast	30	100	62.60	133.00	46.92	62.60	75.19	22.24	339.95
Spray all coats									
Slow	40	40	83.50	64.25	15.43	208.75	54.80	54.92	398.15
Medium	50	30	73.00	65.50	18.92	243.33	81.94	49.16	458.85
Fast	60	21	62.60	66.50	23.48	298.10	120.30	35.59	543.97
Shellac, clear (material #12)									
Brush each coat									
Slow	175	525	115.80	14.69	3.51	22.06	7.65	7.67	55.58
Medium	200	513	101.40	16.38	4.73	19.77	10.22	6.13	57.23
Fast	225	500	86.90	17.73	6.24	17.38	12.82	3.79	57.96
Varnish, flat or gloss (material #30c)									
Brush each coat									
Slow	155	475	112.40	16.58	3.98	23.66	8.40	8.42	61.04
Medium	180	463	98.30	18.19	5.28	21.23	11.17	6.70	62.57
Fast	205	450	84.30	19.46	6.88	18.73	13.97	4.13	63.17
Penetrating stain wax (material #14) & polish									
Brush 1st coat									
Slow	125	575	137.30	20.56	4.94	23.88	9.38	9.40	68.16
Medium	150	538	120.20	21.83	6.32	22.34	12.62	7.57	70.68
Fast	175	500	103.00	22.80	8.02	20.60	15.95	4.72	72.09
Brush 2nd or additional coats									
Slow	150	600	137.30	17.13	4.13	22.88	8.38	8.40	60.92
Medium	175	575	120.20	18.71	5.39	20.90	11.26	6.75	63.01
Fast	200	550	103.00	19.95	7.04	18.73	14.17	4.19	64.08

Cabinet estimates are based on overall dimensions (length times width) to 8 feet high. Use these figures to estimate stain grade kitchen, bar, linen, pullman or vanity cabinets. For the stain, seal and lacquer process, the figures include finishing both sides of cabinet doors, stiles and rails with a fog coat of stain on shelves and the wall behind the cabinet (cabinet back). See Cabinet backs for painting the inside back wall of the cabinets. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Measurements are based on total area of cabinet faces. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceiling panels, suspended, fiber panels in T-bar frames, brush application</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	80	260	50.60	32.13	7.71	19.46	11.27	11.29	81.86
Medium	110	230	44.30	29.77	8.60	19.26	14.41	8.64	80.68
Fast	140	200	38.00	28.50	10.04	19.00	17.84	5.28	80.66
Brush 2nd or additional coats									
Slow	130	300	50.60	19.77	4.74	16.87	7.86	7.88	57.12
Medium	150	275	44.30	21.83	6.32	16.11	11.06	6.64	61.96
Fast	170	250	38.00	23.47	8.27	15.20	14.55	4.31	65.80
Enamel, water base (material #9)									
Brush 1st coat									
Slow	65	260	67.00	39.54	9.48	25.77	14.21	14.24	103.24
Medium	100	230	58.60	32.75	9.46	25.48	16.92	10.15	94.76
Fast	125	200	50.20	31.92	11.26	25.10	21.17	6.26	95.71
Brush 2nd or additional coats									
Slow	115	300	67.00	22.35	5.38	22.33	9.51	9.53	69.10
Medium	135	275	58.60	24.26	7.02	21.31	13.15	7.89	73.63
Fast	155	250	50.20	25.74	9.08	20.08	17.02	5.04	76.96
Enamel, oil base (material #10)									
Brush 1st coat									
Slow	65	250	159.80	39.54	9.48	63.92	21.46	21.51	155.91
Medium	95	213	139.80	34.47	9.98	65.63	27.52	16.51	154.11
Fast	125	175	119.80	31.92	11.26	68.46	34.61	10.24	156.49
Brush 2nd or additional coats									
Slow	115	275	159.80	22.35	5.38	58.11	16.31	16.34	118.49
Medium	135	260	139.80	24.26	7.02	53.77	21.26	12.76	119.07
Fast	155	240	119.80	25.74	9.08	49.92	26.27	7.77	118.78

Ceiling panel estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceiling panels, suspended, fiber panels in T-bar frame, roll application</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	150	270	50.60	17.13	4.13	18.74	7.60	7.61	55.21
Medium	215	235	44.30	15.23	4.40	18.85	9.62	5.77	53.87
Fast	280	200	38.00	14.25	5.02	19.00	11.87	3.51	53.65
Roll 2nd or additional coats									
Slow	225	280	50.60	11.42	2.73	18.07	6.12	6.14	44.48
Medium	288	260	44.30	11.37	3.28	17.04	7.93	4.76	44.38
Fast	350	240	38.00	11.40	4.04	15.83	9.69	2.87	43.83
Enamel, water base (material #9)									
Roll 1st coat									
Slow	135	250	67.00	19.04	4.58	26.80	9.58	9.60	69.60
Medium	200	220	58.60	16.38	4.73	26.64	11.94	7.16	66.85
Fast	265	190	50.20	15.06	5.29	26.42	14.51	4.29	65.57
Roll 2nd or additional finish coats									
Slow	210	280	67.00	12.24	2.93	23.93	7.43	7.45	53.98
Medium	273	260	58.60	12.00	3.45	22.54	9.50	5.70	53.19
Fast	335	240	50.20	11.91	4.23	20.92	11.48	3.40	51.94
Enamel, oil base (material #10)									
Roll 1st coat									
Slow	135	240	159.80	19.04	4.58	66.58	17.14	17.17	124.51
Medium	200	230	139.80	16.38	4.73	60.78	20.47	12.28	114.64
Fast	265	210	119.80	15.06	5.29	57.05	24.00	7.10	108.50
Roll 2nd or additional finish coats									
Slow	210	275	159.80	12.24	2.93	58.11	13.93	13.96	101.17
Medium	273	250	139.80	12.00	3.45	55.92	17.85	10.71	99.93
Fast	335	230	119.80	11.91	4.23	52.09	21.14	6.25	95.62

Ceiling panel estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceiling panels, suspended, fiber panels in T-bar frame, spray application</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	300	250	50.60	8.57	2.04	20.24	5.87	5.88	42.60
Medium	345	238	44.30	9.49	2.75	18.61	7.71	4.63	43.19
Fast	390	225	38.00	10.23	3.59	16.89	9.53	2.82	43.06
Spray 2nd or additional coats									
Slow	500	270	50.60	5.14	1.23	18.74	4.77	4.78	34.66
Medium	545	260	44.30	6.01	1.71	17.04	6.20	3.72	34.68
Fast	590	250	38.00	6.76	2.36	15.20	7.55	2.23	34.10
Enamel, water base (material #9)									
Spray 1st coat									
Slow	275	250	67.00	9.35	2.25	26.80	7.29	7.31	53.00
Medium	325	238	58.60	10.08	2.92	24.62	9.40	5.64	52.66
Fast	375	225	50.20	10.64	3.77	22.31	11.38	3.37	51.47
Spray 2nd or additional coats									
Slow	450	275	67.00	5.71	1.37	24.36	5.97	5.99	43.40
Medium	500	263	58.60	6.55	1.89	22.28	7.68	4.61	43.01
Fast	550	250	50.20	7.25	2.57	20.08	9.27	2.74	41.91
Enamel, oil base (material #10)									
Spray 1st coat									
Slow	275	240	159.80	9.35	2.25	66.58	14.85	14.88	107.91
Medium	325	220	139.80	10.08	2.92	63.55	19.14	11.48	107.17
Fast	375	200	119.80	10.64	3.77	59.90	23.03	6.81	104.15
Spray 2nd or additional coats									
Slow	450	250	159.80	5.71	1.37	63.92	13.49	13.52	98.01
Medium	500	238	139.80	6.55	1.89	58.74	16.80	10.08	94.06
Fast	550	225	119.80	7.25	2.57	53.24	19.55	5.78	88.39

Ceiling panel estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceiling pans, metal, exterior enamel finish</b>									
Enamel, water base (material #24)									
Brush each coat									
Slow	80	450	80.00	32.13	7.71	17.78	10.95	10.97	79.54
Medium	100	388	70.00	32.75	9.46	18.04	15.06	9.04	84.35
Fast	125	325	60.00	31.92	11.26	18.46	19.11	5.65	86.40
Enamel, oil base (material #25)									
Brush each coat									
Slow	80	400	105.50	32.13	7.71	26.38	12.58	12.61	91.41
Medium	103	338	92.30	31.80	9.19	27.31	17.08	10.25	95.63
Fast	125	275	79.10	31.92	11.26	28.76	22.30	6.60	100.84
Enamel, water base (material #24)									
Roll each coat									
Slow	175	425	80.00	14.69	3.51	18.82	7.04	7.05	51.11
Medium	200	368	70.00	16.38	4.73	19.02	10.03	6.02	56.18
Fast	225	300	60.00	17.73	6.24	20.00	13.64	4.03	61.64
Enamel, oil base (material #25)									
Roll each coat									
Slow	175	375	105.50	14.69	3.51	28.13	8.81	8.83	63.97
Medium	200	313	92.30	16.38	4.73	29.49	12.65	7.59	70.84
Fast	225	250	79.10	17.73	6.24	31.64	17.25	5.10	77.96
Enamel, water base (material #24)									
Spray each coat									
Slow	550	380	80.00	4.67	1.13	21.05	5.10	5.11	37.06
Medium	600	370	70.00	5.46	1.59	18.92	6.49	3.89	36.35
Fast	650	260	60.00	6.14	2.17	23.08	9.73	2.88	44.00
Enamel, oil base (material #25)									
Spray each coat									
Slow	550	330	105.50	4.67	1.13	31.97	7.17	7.19	52.13
Medium	600	270	92.30	5.46	1.59	34.19	10.31	6.18	57.73
Fast	650	210	79.10	6.14	2.17	37.67	14.25	4.22	64.45

Ceiling panel estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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### Ceilings, acoustic spray-on texture on gypsum drywall

Acoustic spray-on texture, primer (material #6)

Spray prime coat

Slow	250	100	37.60	10.28	2.47	37.60	9.57	9.59	69.51
Medium	300	90	32.90	10.92	3.14	36.56	12.66	7.60	70.88
Fast	350	80	28.20	11.40	4.04	35.25	15.71	4.65	71.05

Acoustic spray-on texture, finish (material #7)

Spray 1st finish coat

Slow	400	180	49.00	6.43	1.54	27.22	6.69	6.70	48.58
Medium	450	170	42.90	7.28	2.09	25.24	8.66	5.19	48.46
Fast	500	160	36.70	7.98	2.82	22.94	10.46	3.09	47.29

Spray 2nd or additional finish coats

Slow	500	200	49.00	5.14	1.23	24.50	5.87	5.88	42.62
Medium	550	188	42.90	5.95	1.73	22.82	7.62	4.57	42.69
Fast	600	175	36.70	6.65	2.36	20.97	9.29	2.75	42.02

Ceiling texture estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/pound	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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### Ceilings, stipple finish texture paint, light, on drywall

Stipple finish texture paint, Drypowder mix, light coverage (material #8)

Spray each coat

Slow	225	10.0	1.84	11.42	2.73	18.40	6.19	6.20	44.94
Medium	250	7.5	1.61	13.10	3.78	21.47	9.59	5.75	53.69
Fast	275	5.0	1.38	14.51	5.14	27.60	14.64	4.33	66.22

Estimates for stipple finish texture paint are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, anti-graffiti stain eliminator</b>									
Water base primer and pigmented sealer (material #39)									
Roll & brush each coat									
Slow	350	450	75.60	7.34	1.77	16.80	4.92	4.93	35.76
Medium	375	425	66.20	8.73	2.54	15.58	6.71	4.02	37.58
Fast	400	400	56.70	9.98	3.52	14.18	8.58	2.54	38.80
Oil base primer and pigmented sealer (material #40)									
Roll & brush each coat									
Slow	350	400	81.90	7.34	1.77	20.48	5.62	5.63	40.84
Medium	375	388	71.60	8.73	2.54	18.45	7.43	4.46	41.61
Fast	400	375	61.40	9.98	3.52	16.37	9.26	2.74	41.87
Polyurethane 2 part system (material #41)									
Roll & brush each coat									
Slow	300	400	251.60	8.57	2.04	62.90	13.97	14.00	101.48
Medium	325	375	220.20	10.08	2.92	58.72	17.93	10.76	100.41
Fast	350	350	188.70	11.40	4.04	53.91	21.49	6.36	97.20

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, orange peel or knock-down texture, brush</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	150	300	50.60	17.13	4.13	16.87	7.24	7.26	52.63
Medium	175	288	44.30	18.71	5.39	15.38	9.88	5.93	55.29
Fast	200	275	38.00	19.95	7.04	13.82	12.65	3.74	57.20
Brush 2nd coat									
Slow	175	350	50.60	14.69	3.51	14.46	6.21	6.22	45.09
Medium	200	338	44.30	16.38	4.73	13.11	8.56	5.13	47.91
Fast	225	325	38.00	17.73	6.24	11.69	11.06	3.27	49.99
Brush 3rd or additional coats									
Slow	200	400	50.60	12.85	3.09	12.65	5.43	5.44	39.46
Medium	225	375	44.30	14.56	4.18	11.81	7.65	4.59	42.79
Fast	250	350	38.00	15.96	5.63	10.86	10.06	2.98	45.49
Sealer, water base (material #1)									
Brush prime coat									
Slow	175	300	54.70	14.69	3.51	18.23	6.93	6.94	50.30
Medium	200	288	47.80	16.38	4.73	16.60	9.43	5.66	52.80
Fast	225	275	41.00	17.73	6.24	14.91	12.06	3.57	54.51
Sealer, oil base (material #2)									
Brush prime coat									
Slow	175	250	73.30	14.69	3.51	29.32	9.03	9.05	65.60
Medium	200	238	64.10	16.38	4.73	26.93	12.01	7.21	67.26
Fast	225	225	55.00	17.73	6.24	24.44	15.01	4.44	67.86
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	150	350	67.00	17.13	4.13	19.14	7.67	7.69	55.76
Medium	175	338	58.60	18.71	5.39	17.34	10.37	6.22	58.03
Fast	200	325	50.20	19.95	7.04	15.45	13.16	3.89	59.49
Brush 2nd or additional finish coats									
Slow	175	400	67.00	14.69	3.51	16.75	6.64	6.66	48.25
Medium	200	375	58.60	16.38	4.73	15.63	9.19	5.51	51.44
Fast	225	350	50.20	17.73	6.24	14.34	11.88	3.51	53.70

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	150	325	159.80	17.13	4.13	49.17	13.38	13.41	97.22
Medium	175	313	139.80	18.71	5.39	44.66	17.20	10.32	96.28
Fast	200	300	119.80	19.95	7.04	39.93	20.75	6.14	93.81
Brush 2nd or additional finish coats									
Slow	150	400	159.80	17.13	4.13	39.95	11.63	11.65	84.49
Medium	175	375	139.80	18.71	5.39	37.28	15.35	9.21	85.94
Fast	200	350	119.80	19.95	7.04	34.23	18.98	5.61	85.81
Epoxy coating, white (material #52)									
Brush 1st coat									
Slow	125	350	255.10	20.56	4.94	72.89	18.69	18.73	135.81
Medium	150	325	223.20	21.83	6.32	68.68	24.21	14.52	135.56
Fast	175	300	191.30	22.80	8.02	63.77	29.33	8.68	132.60
Brush 2nd or additional coats									
Slow	175	375	255.10	14.69	3.51	68.03	16.39	16.42	119.04
Medium	200	350	223.20	16.38	4.73	63.77	21.22	12.73	118.83
Fast	225	325	191.30	17.73	6.24	58.86	25.68	7.60	116.11

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in time with walls. See the notes under the wall formulas for clarification. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, orange peel or knock-down texture, roll</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	325	300	50.60	7.91	1.91	16.87	5.07	5.08	36.84
Medium	350	275	44.30	9.36	2.71	16.11	7.05	4.23	39.46
Fast	375	250	38.00	10.64	3.77	15.20	9.18	2.71	41.50
Roll 2nd coat									
Slow	350	325	50.60	7.34	1.77	15.57	4.69	4.70	34.07
Medium	375	313	44.30	8.73	2.54	14.15	6.35	3.81	35.58
Fast	400	300	38.00	9.98	3.52	12.67	8.11	2.40	36.68
Roll 3rd or additional coats									
Slow	400	350	50.60	6.43	1.54	14.46	4.26	4.27	30.96
Medium	425	338	44.30	7.71	2.21	13.11	5.76	3.46	32.25
Fast	450	325	38.00	8.87	3.11	11.69	7.34	2.17	33.18
Sealer, water base (material #1)									
Roll prime coat									
Slow	350	300	54.70	7.34	1.77	18.23	5.19	5.20	37.73
Medium	375	275	47.80	8.73	2.54	17.38	7.16	4.29	40.10
Fast	400	250	41.00	9.98	3.52	16.40	9.27	2.74	41.91
Sealer, oil base (material #2)									
Roll prime coat									
Slow	350	275	73.30	7.34	1.77	26.65	6.79	6.81	49.36
Medium	375	250	64.10	8.73	2.54	25.64	9.22	5.53	51.66
Fast	400	225	55.00	9.98	3.52	24.44	11.76	3.48	53.18
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	325	325	67.00	7.91	1.91	20.62	5.78	5.79	42.01
Medium	350	313	58.60	9.36	2.71	18.72	7.70	4.62	43.11
Fast	375	300	50.20	10.64	3.77	16.73	9.65	2.85	43.64
Roll 2nd or additional finish coats									
Slow	375	350	67.00	6.85	1.66	19.14	5.25	5.26	38.16
Medium	400	338	58.60	8.19	2.36	17.34	6.98	4.19	39.06
Fast	425	325	50.20	9.39	3.30	15.45	8.73	2.58	39.45

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	325	300	159.80	7.91	1.91	53.27	11.99	12.01	87.09
Medium	350	275	139.80	9.36	2.71	50.84	15.73	9.44	88.08
Fast	375	250	119.80	10.64	3.77	47.92	19.32	5.71	87.36
Roll 2nd or additional finish coats									
Slow	375	300	159.80	6.85	1.66	53.27	11.73	11.76	85.27
Medium	400	288	139.80	8.19	2.36	48.54	14.78	8.87	82.74
Fast	425	275	119.80	9.39	3.30	43.56	17.44	5.16	78.85
Epoxy coating, white (material #52)									
Roll 1st coat									
Slow	300	300	255.10	8.57	2.04	85.03	18.18	18.21	132.03
Medium	325	288	223.20	10.08	2.92	77.50	22.62	13.57	126.69
Fast	350	275	191.30	11.40	4.04	69.56	26.34	7.79	119.13
Roll 2nd or additional coats									
Slow	350	300	255.10	7.34	1.77	85.03	17.88	17.92	129.94
Medium	375	288	223.20	8.73	2.54	77.50	22.19	13.31	124.27
Fast	400	275	191.30	9.98	3.52	69.56	25.75	7.62	116.43

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in time with walls. See the notes under the wall formulas for clarification. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, orange peel or knock-down texture, spray</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	650	225	50.60	3.95	.96	22.49	5.20	5.21	37.81
Medium	750	200	44.30	4.37	1.24	22.15	6.95	4.17	38.88
Fast	850	175	38.00	4.69	1.68	21.71	8.70	2.57	39.35
Spray 2nd coat									
Slow	775	250	50.60	3.32	.79	20.24	4.63	4.64	33.62
Medium	875	225	44.30	3.74	1.07	19.69	6.13	3.68	34.31
Fast	975	200	38.00	4.09	1.47	19.00	7.60	2.25	34.41
Spray 3rd or additional coats									
Slow	825	275	50.60	3.12	.74	18.40	4.23	4.24	30.73
Medium	925	250	44.30	3.54	1.02	17.72	5.57	3.34	31.19
Fast	1025	225	38.00	3.89	1.40	16.89	6.87	2.03	31.08
Sealer, water base (material #1)									
Spray prime coat									
Slow	700	225	54.70	3.67	.89	24.31	5.48	5.49	39.84
Medium	800	200	47.80	4.09	1.19	23.90	7.29	4.38	40.85
Fast	900	175	41.00	4.43	1.56	23.43	9.12	2.70	41.24
Sealer, oil base (material #2)									
Spray prime coat									
Slow	700	200	73.30	3.67	.89	36.65	7.83	7.84	56.88
Medium	800	188	64.10	4.09	1.19	34.10	9.84	5.91	55.13
Fast	900	175	55.00	4.43	1.56	31.43	11.60	3.43	52.45
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	725	250	67.00	3.54	.86	26.80	5.93	5.94	43.07
Medium	825	225	58.60	3.97	1.14	26.04	7.79	4.67	43.61
Fast	925	200	50.20	4.31	1.52	25.10	9.59	2.84	43.36
Spray 2nd or additional finish coat									
Slow	775	275	67.00	3.32	.79	24.36	5.41	5.42	39.30
Medium	875	250	58.60	3.74	1.07	23.44	7.07	4.24	39.56
Fast	975	225	50.20	4.09	1.47	22.31	8.63	2.55	39.05

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	725	225	159.80	3.54	.86	71.02	14.33	14.36	104.11
Medium	825	213	139.80	3.97	1.14	65.63	17.69	10.61	99.04
Fast	925	200	119.80	4.31	1.52	59.90	20.38	6.03	92.14
Spray 2nd or additional finish coat									
Slow	775	250	159.80	3.32	.79	63.92	12.93	12.96	93.92
Medium	875	238	139.80	3.74	1.07	58.74	15.89	9.53	88.97
Fast	975	225	119.80	4.09	1.47	53.24	18.22	5.39	82.41

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in and protection time with the walls. See the notes under the wall formulas for clarification. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, sand finish or skip trowel texture, brush</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	175	325	50.60	14.69	3.51	15.57	6.42	6.43	46.62
Medium	200	313	44.30	16.38	4.73	14.15	8.82	5.29	49.37
Fast	225	300	38.00	17.73	6.24	12.67	11.36	3.36	51.36
Brush 2nd coat									
Slow	200	400	50.60	12.85	3.09	12.65	5.43	5.44	39.46
Medium	238	375	44.30	13.76	3.97	11.81	7.39	4.43	41.36
Fast	275	350	38.00	14.51	5.14	10.86	9.45	2.80	42.76
Brush 3rd or additional coats									
Slow	225	425	50.60	11.42	2.73	11.91	4.95	4.96	35.97
Medium	263	400	44.30	12.45	3.59	11.08	6.78	4.07	37.97
Fast	300	375	38.00	13.30	4.68	10.13	8.72	2.58	39.41
Sealer, water base (material #1)									
Brush prime coat									
Slow	200	325	54.70	12.85	3.09	16.83	6.22	6.24	45.23
Medium	225	313	47.80	14.56	4.18	15.27	8.51	5.11	47.63
Fast	250	300	41.00	15.96	5.63	13.67	10.93	3.23	49.42
Sealer, oil base (material #2)									
Brush prime coat									
Slow	200	325	73.30	12.85	3.09	22.55	7.31	7.33	53.13
Medium	225	313	64.10	14.56	4.18	20.48	9.81	5.89	54.92
Fast	250	300	55.00	15.96	5.63	18.33	12.38	3.66	55.96
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	200	400	67.00	12.85	3.09	16.75	6.21	6.22	45.12
Medium	225	375	58.60	14.56	4.18	15.63	8.60	5.16	48.13
Fast	250	350	50.20	15.96	5.63	14.34	11.14	3.29	50.36
Brush 2nd or additional finish coats									
Slow	225	425	67.00	11.42	2.73	15.76	5.68	5.70	41.29
Medium	263	400	58.60	12.45	3.59	14.65	7.68	4.61	42.98
Fast	300	375	50.20	13.30	4.68	13.39	9.73	2.88	43.98

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	200	375	159.80	12.85	3.09	42.61	11.12	11.15	80.82
Medium	225	350	139.80	14.56	4.18	39.94	14.68	8.81	82.17
Fast	250	325	119.80	15.96	5.63	36.86	18.12	5.36	81.93
Brush 2nd or additional finish coats									
Slow	225	400	159.80	11.42	2.73	39.95	10.28	10.30	74.68
Medium	263	375	139.80	12.45	3.59	37.28	13.33	8.00	74.65
Fast	300	350	119.80	13.30	4.68	34.23	16.19	4.79	73.19
Epoxy coating, white (material #52)									
Brush 1st coat									
Slow	150	375	255.10	17.13	4.13	68.03	16.96	17.00	123.25
Medium	175	350	223.20	18.71	5.39	63.77	21.97	13.18	123.02
Fast	225	325	191.30	17.73	6.24	58.86	25.68	7.60	116.11
Brush 2nd or additional coats									
Slow	175	400	255.10	14.69	3.51	63.78	15.58	15.61	113.17
Medium	200	375	223.20	16.38	4.73	59.52	20.16	12.09	112.88
Fast	225	350	191.30	17.73	6.24	54.66	24.38	7.21	110.22

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in time with walls. See the notes under the wall formulas for clarification. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, sand finish or skip trowel texture, roll</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	300	325	50.60	8.57	2.04	15.57	4.98	4.99	36.15
Medium	350	300	44.30	9.36	2.71	14.77	6.71	4.03	37.58
Fast	400	275	38.00	9.98	3.52	13.82	8.47	2.51	38.30
Roll 2nd coat									
Slow	350	350	50.60	7.34	1.77	14.46	4.48	4.49	32.54
Medium	388	338	44.30	8.44	2.45	13.11	6.00	3.60	33.60
Fast	425	325	38.00	9.39	3.30	11.69	7.56	2.24	34.18
Roll 3rd or additional coats									
Slow	425	350	50.60	6.05	1.44	14.46	4.17	4.18	30.30
Medium	450	338	44.30	7.28	2.09	13.11	5.62	3.37	31.47
Fast	475	325	38.00	8.40	2.99	11.69	7.15	2.11	32.34
Sealer, water base (material #1)									
Roll prime coat									
Slow	325	325	54.70	7.91	1.91	16.83	5.06	5.07	36.78
Medium	375	300	47.80	8.73	2.54	15.93	6.80	4.08	38.08
Fast	425	275	41.00	9.39	3.30	14.91	8.56	2.53	38.69
Sealer, oil base (material #2)									
Roll prime coat									
Slow	325	300	73.30	7.91	1.91	24.43	6.51	6.52	47.28
Medium	375	275	64.10	8.73	2.54	23.31	8.64	5.18	48.40
Fast	425	250	55.00	9.39	3.30	22.00	10.76	3.18	48.63
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	325	350	67.00	7.91	1.91	19.14	5.50	5.51	39.97
Medium	363	338	58.60	9.02	2.59	17.34	7.24	4.35	40.54
Fast	400	325	50.20	9.98	3.52	15.45	8.97	2.65	40.57
Roll 2nd or additional finish coats									
Slow	400	350	67.00	6.43	1.54	19.14	5.15	5.16	37.42
Medium	425	338	58.60	7.71	2.21	17.34	6.82	4.09	38.17
Fast	450	325	50.20	8.87	3.11	15.45	8.51	2.52	38.46
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	325	325	159.80	7.91	1.91	49.17	11.21	11.23	81.43
Medium	363	313	139.80	9.02	2.59	44.66	14.07	8.44	78.78
Fast	400	300	119.80	9.98	3.52	39.93	16.56	4.90	74.89

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 2nd or additional finish coats									
Slow	400	350	159.80	6.43	1.54	45.66	10.19	10.21	74.03
Medium	425	338	139.80	7.71	2.21	41.36	12.83	7.70	71.81
Fast	450	325	119.80	8.87	3.11	36.86	15.15	4.48	68.47
Epoxy coating, white (material #52)									
Roll 1st coat									
Slow	300	350	255.10	8.57	2.04	72.89	15.87	15.90	115.27
Medium	350	325	223.20	9.36	2.71	68.68	20.19	12.11	113.05
Fast	375	300	191.30	10.64	3.77	63.77	24.23	7.17	109.58
Roll 2nd or additional coats									
Slow	375	375	255.10	6.85	1.66	68.03	14.54	14.57	105.65
Medium	400	350	223.20	8.19	2.36	63.77	18.58	11.15	104.05
Fast	425	325	191.30	9.39	3.30	58.86	22.18	6.56	100.29

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in time with walls. See the notes under the wall formulas for clarification. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, sand finish or skip trowel texture, spray</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	700	275	50.60	3.67	.89	18.40	4.36	4.37	31.69
Medium	800	250	44.30	4.09	1.19	17.72	5.75	3.45	32.20
Fast	900	225	38.00	4.43	1.56	16.89	7.09	2.10	32.07
Spray 2nd coat									
Slow	800	325	50.60	3.21	.77	15.57	3.71	3.72	26.98
Medium	900	300	44.30	3.64	1.05	14.77	4.87	2.92	27.25
Fast	1000	275	38.00	3.99	1.41	13.82	5.96	1.76	26.94
Spray 3rd or additional coats									
Slow	850	325	50.60	3.02	.74	15.57	3.67	3.68	26.68
Medium	950	313	44.30	3.45	.98	14.15	4.65	2.79	26.02
Fast	1050	300	38.00	3.80	1.33	12.67	5.52	1.63	24.95
Sealer, water base (material #1)									
Spray prime coat									
Slow	750	275	54.70	3.43	.81	19.89	4.59	4.60	33.32
Medium	850	250	47.80	3.85	1.13	19.12	6.02	3.61	33.73
Fast	950	225	41.00	4.20	1.47	18.22	7.41	2.19	33.49
Sealer, oil base (material #2)									
Spray prime coat									
Slow	750	225	73.30	3.43	.81	32.58	7.00	7.01	50.83
Medium	850	213	64.10	3.85	1.13	30.09	8.76	5.26	49.09
Fast	950	200	55.00	4.20	1.47	27.50	10.29	3.04	46.50
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	750	325	67.00	3.43	.81	20.62	4.73	4.74	34.33
Medium	850	300	58.60	3.85	1.13	19.53	6.12	3.67	34.30
Fast	950	275	50.20	4.20	1.47	18.25	7.42	2.19	33.53
Spray 2nd or additional finish coat									
Slow	800	325	67.00	3.21	.77	20.62	4.67	4.68	33.95
Medium	900	313	58.60	3.64	1.05	18.72	5.85	3.51	32.77
Fast	1000	300	50.20	3.99	1.41	16.73	6.86	2.03	31.02

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	750	300	159.80	3.43	.81	53.27	10.93	10.95	79.39
Medium	850	288	139.80	3.85	1.13	48.54	13.38	8.03	74.93
Fast	950	275	119.80	4.20	1.47	43.56	15.26	4.52	69.01
Spray 2nd or additional finish coat									
Slow	800	325	159.80	3.21	.77	49.17	10.10	10.12	73.37
Medium	900	313	139.80	3.64	1.05	44.66	12.34	7.40	69.09
Fast	1000	300	119.80	3.99	1.41	39.93	14.05	4.16	63.54

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in and protection time with the walls. See the notes under the wall formulas for clarification. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, smooth finish, brush</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	175	325	50.60	14.69	3.51	15.57	6.42	6.43	46.62
Medium	200	313	44.30	16.38	4.73	14.15	8.82	5.29	49.37
Fast	225	300	38.00	17.73	6.24	12.67	11.36	3.36	51.36
Brush 2nd coat									
Slow	225	400	50.60	11.42	2.73	12.65	5.09	5.10	36.99
Medium	250	375	44.30	13.10	3.78	11.81	7.18	4.31	40.18
Fast	275	350	38.00	14.51	5.14	10.86	9.45	2.80	42.76
Brush 3rd or additional coats									
Slow	250	425	50.60	10.28	2.47	11.91	4.69	4.70	34.05
Medium	275	400	44.30	11.91	3.45	11.08	6.61	3.96	37.01
Fast	300	375	38.00	13.30	4.68	10.13	8.72	2.58	39.41
Sealer, water base (material #1)									
Brush prime coat									
Slow	200	325	54.70	12.85	3.09	16.83	6.22	6.24	45.23
Medium	225	313	47.80	14.56	4.18	15.27	8.51	5.11	47.63
Fast	250	300	41.00	15.96	5.63	13.67	10.93	3.23	49.42
Sealer, oil base (material #2)									
Brush prime coat									
Slow	200	350	73.30	12.85	3.09	20.94	7.01	7.02	50.91
Medium	225	338	64.10	14.56	4.18	18.96	9.43	5.66	52.79
Fast	250	325	55.00	15.96	5.63	16.92	11.94	3.53	53.98
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	200	400	67.00	12.85	3.09	16.75	6.21	6.22	45.12
Medium	225	375	58.60	14.56	4.18	15.63	8.60	5.16	48.13
Fast	250	350	50.20	15.96	5.63	14.34	11.14	3.29	50.36
Brush 2nd and additional finish coats									
Slow	225	425	67.00	11.42	2.73	15.76	5.68	5.70	41.29
Medium	250	400	58.60	13.10	3.78	14.65	7.89	4.73	44.15
Fast	275	375	50.20	14.51	5.14	13.39	10.24	3.03	46.31
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	200	400	159.80	12.85	3.09	39.95	10.62	10.64	77.15
Medium	225	388	139.80	14.56	4.18	36.03	13.70	8.22	76.69
Fast	250	375	119.80	15.96	5.63	31.95	16.60	4.91	75.05

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 2nd or additional finish coats									
Slow	225	425	159.80	11.42	2.73	37.60	9.83	9.85	71.43
Medium	250	413	139.80	13.10	3.78	33.85	12.69	7.61	71.03
Fast	275	400	119.80	14.51	5.14	29.95	15.37	4.55	69.52
Epoxy coating, white (material #52)									
Brush 1st coat									
Slow	175	425	255.10	14.69	3.51	60.02	14.87	14.90	107.99
Medium	200	400	223.20	16.38	4.73	55.80	19.23	11.54	107.68
Fast	225	375	191.30	17.73	6.24	51.01	23.25	6.88	105.11
Brush 2nd or additional coats									
Slow	200	450	255.10	12.85	3.09	56.69	13.80	13.83	100.26
Medium	225	425	223.20	14.56	4.18	52.52	17.82	10.69	99.77
Fast	250	400	191.30	15.96	5.63	47.83	21.52	6.37	97.31

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in time with walls. See the notes under the wall formulas for clarification. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, smooth finish, roll</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	325	350	50.60	7.91	1.91	14.46	4.61	4.62	33.51
Medium	375	325	44.30	8.73	2.54	13.63	6.22	3.73	34.85
Fast	425	300	38.00	9.39	3.30	12.67	7.86	2.33	35.55
Roll 2nd coat									
Slow	375	375	50.60	6.85	1.66	13.49	4.18	4.19	30.37
Medium	413	363	44.30	7.93	2.28	12.20	5.61	3.36	31.38
Fast	450	350	38.00	8.87	3.11	10.86	7.09	2.10	32.03
Roll 3rd or additional coats									
Slow	425	400	50.60	6.05	1.44	12.65	3.83	3.84	27.81
Medium	450	388	44.30	7.28	2.09	11.42	5.20	3.12	29.11
Fast	475	375	38.00	8.40	2.99	10.13	6.67	1.97	30.16
Sealer, water base (material #1)									
Roll prime coat									
Slow	350	350	54.70	7.34	1.77	15.63	4.70	4.71	34.15
Medium	400	325	47.80	8.19	2.36	14.71	6.32	3.79	35.37
Fast	450	300	41.00	8.87	3.11	13.67	7.96	2.35	35.96
Sealer, oil base (material #2)									
Roll prime coat									
Slow	350	300	73.30	7.34	1.77	24.43	6.37	6.38	46.29
Medium	400	288	64.10	8.19	2.36	22.26	8.21	4.92	45.94
Fast	450	275	55.00	8.87	3.11	20.00	9.92	2.93	44.83
Enamel, water base, (material #9)									
Roll 1st finish coat									
Slow	350	375	67.00	7.34	1.77	17.87	5.12	5.13	37.23
Medium	400	363	58.60	8.19	2.36	16.14	6.68	4.01	37.38
Fast	450	350	50.20	8.87	3.11	14.34	8.17	2.42	36.91
Roll 2nd or additional finish coats									
Slow	425	400	67.00	6.05	1.44	16.75	4.61	4.62	33.47
Medium	450	388	58.60	7.28	2.09	15.10	6.12	3.67	34.26
Fast	475	375	50.20	8.40	2.99	13.39	7.68	2.27	34.73
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	350	350	159.80	7.34	1.77	45.66	10.40	10.43	75.60
Medium	400	338	139.80	8.19	2.36	41.36	12.98	7.79	72.68
Fast	450	325	119.80	8.87	3.11	36.86	15.15	4.48	68.47

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 2nd or additional finish coats									
Slow	425	375	159.80	6.05	1.44	42.61	9.52	9.54	69.16
Medium	450	363	139.80	7.28	2.09	38.51	11.97	7.18	67.03
Fast	475	350	119.80	8.40	2.99	34.23	14.14	4.18	63.94
Epoxy coating, white (material #52)									
Roll 1st finish coat									
Slow	325	400	255.10	7.91	1.91	63.78	13.98	14.01	101.59
Medium	363	375	223.20	9.02	2.59	59.52	17.79	10.67	99.59
Fast	400	350	191.30	9.98	3.52	54.66	21.13	6.25	95.54
Roll 2nd or additional finish coats									
Slow	400	425	255.10	6.43	1.54	60.02	12.92	12.95	93.86
Medium	425	400	223.20	7.71	2.21	55.80	16.44	9.86	92.02
Fast	450	375	191.30	8.87	3.11	51.01	19.53	5.78	88.30
Stipple finish									
Slow	200	--	--	12.85	3.09	--	3.03	3.03	22.00
Medium	225	--	--	14.56	4.18	--	4.69	2.82	26.25
Fast	250	--	--	15.96	5.63	--	6.69	1.98	30.26

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in time with walls. See the notes under the wall formulas for clarification. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, gypsum drywall, smooth finish, spray</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	750	300	50.60	3.43	.81	16.87	4.01	4.02	29.14
Medium	850	275	44.30	3.85	1.13	16.11	5.27	3.16	29.52
Fast	950	250	38.00	4.20	1.47	15.20	6.47	1.91	29.25
Spray 2nd coat									
Slow	850	350	50.60	3.02	.74	14.46	3.46	3.47	25.15
Medium	950	325	44.30	3.45	.98	13.63	4.52	2.71	25.29
Fast	1050	300	38.00	3.80	1.33	12.67	5.52	1.63	24.95
Spray 3rd or additional coats									
Slow	900	350	50.60	2.86	.68	14.46	3.42	3.43	24.85
Medium	1000	338	44.30	3.28	.94	13.11	4.34	2.60	24.27
Fast	1100	325	38.00	3.63	1.28	11.69	5.15	1.52	23.27
Sealer, water base (material #1)									
Spray prime coat									
Slow	800	300	54.70	3.21	.77	18.23	4.22	4.23	30.66
Medium	900	275	47.80	3.64	1.05	17.38	5.52	3.31	30.90
Fast	1000	250	41.00	3.99	1.41	16.40	6.76	2.00	30.56
Sealer, oil base (material #2)									
Spray prime coat									
Slow	800	250	73.30	3.21	.77	29.32	6.33	6.34	45.97
Medium	900	238	64.10	3.64	1.05	26.93	7.91	4.74	44.27
Fast	1000	225	55.00	3.99	1.41	24.44	9.25	2.74	41.83
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	800	350	67.00	3.21	.77	19.14	4.39	4.40	31.91
Medium	900	325	58.60	3.64	1.05	18.03	5.68	3.41	31.81
Fast	1000	300	50.20	3.99	1.41	16.73	6.86	2.03	31.02
Spray 2nd or additional finish coats									
Slow	850	350	67.00	3.02	.74	19.14	4.35	4.36	31.61
Medium	950	338	58.60	3.45	.98	17.34	5.45	3.27	30.49
Fast	1050	325	50.20	3.80	1.33	15.45	6.38	1.89	28.85
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	800	300	159.80	3.21	.77	53.27	10.88	10.90	79.03
Medium	900	280	139.80	3.64	1.05	49.93	13.66	8.19	76.47
Fast	1000	260	119.80	3.99	1.41	46.08	15.96	4.72	72.16
Spray 2nd or additional finish coats									
Slow	850	325	159.80	3.02	.74	49.17	10.05	10.07	73.05
Medium	950	313	139.80	3.45	.98	44.66	12.28	7.37	68.74
Fast	1050	300	119.80	3.80	1.33	39.93	13.97	4.13	63.16

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for cutting-in at ceilings and protecting adjacent surfaces if ceilings alone are being painted, not walls. Otherwise, figure any cutting-in and protection time with the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, tongue &amp; groove, paint grade, brush</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	55	300	50.60	46.73	11.21	16.87	14.22	14.25	103.28
Medium	65	288	44.30	50.38	14.54	15.38	20.08	12.05	112.43
Fast	75	275	38.00	53.20	18.76	13.82	26.60	7.87	120.25
Brush 2nd coat									
Slow	65	350	50.60	39.54	9.48	14.46	12.06	12.09	87.63
Medium	75	338	44.30	43.67	12.60	13.11	17.35	10.41	97.14
Fast	85	325	38.00	46.94	16.54	11.69	23.31	6.90	105.38
Brush 3rd or additional coats									
Slow	80	375	50.60	32.13	7.71	13.49	10.13	10.15	73.61
Medium	90	363	44.30	36.39	10.51	12.20	14.78	8.87	82.75
Fast	100	350	38.00	39.90	14.08	10.86	20.10	5.95	90.89
Sealer, water base (material #1)									
Brush prime coat									
Slow	60	300	54.70	42.83	10.30	18.23	13.55	13.58	98.49
Medium	70	288	47.80	46.79	13.53	16.60	19.23	11.54	107.69
Fast	80	275	41.00	49.88	17.60	14.91	25.54	7.56	115.49
Sealer, oil base (material #2)									
Brush prime coat									
Slow	60	350	73.30	42.83	10.30	20.94	14.07	14.10	102.24
Medium	70	338	64.10	46.79	13.53	18.96	19.82	11.89	110.99
Fast	80	325	55.00	49.88	17.60	16.92	26.17	7.74	118.31
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	65	300	67.00	39.54	9.48	22.33	13.56	13.59	98.50
Medium	75	288	58.60	43.67	12.60	20.35	19.16	11.50	107.28
Fast	85	275	50.20	46.94	16.54	18.25	25.35	7.50	114.58
Brush 2nd or additional finish coats									
Slow	80	375	67.00	32.13	7.71	17.87	10.96	10.99	79.66
Medium	90	363	58.60	36.39	10.51	16.14	15.76	9.46	88.26
Fast	100	350	50.20	39.90	14.08	14.34	21.18	6.27	95.77



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	55	375	159.80	46.73	11.21	42.61	19.11	19.15	138.81
Medium	65	363	139.80	50.38	14.54	38.51	25.86	15.52	144.81
Fast	75	350	119.80	53.20	18.76	34.23	32.93	9.74	148.86
Brush 2nd or additional finish coats									
Slow	70	425	159.80	36.71	8.83	37.60	15.79	15.83	114.76
Medium	80	413	139.80	40.94	11.82	33.85	21.66	12.99	121.26
Fast	90	400	119.80	44.33	15.64	29.95	27.88	8.25	126.05

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. Figure painting of wood ceilings separate from wood beams. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for protecting adjacent surfaces if ceilings alone are painted, not the walls. Otherwise, figure any cutting-in and protection time with the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, tongue &amp; groove, paint grade, roll and brush</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	110	275	50.60	23.36	5.61	18.40	9.00	9.02	65.39
Medium	130	263	44.30	25.19	7.27	16.84	12.33	7.40	69.03
Fast	150	250	38.00	26.60	9.40	15.20	15.87	4.69	71.76
Roll 2nd coat									
Slow	140	325	50.60	18.36	4.40	15.57	7.28	7.30	52.91
Medium	155	313	44.30	21.13	6.10	14.15	10.35	6.21	57.94
Fast	170	300	38.00	23.47	8.27	12.67	13.77	4.07	62.25
Roll 3rd or additional coats									
Slow	190	350	50.60	13.53	3.23	14.46	5.94	5.95	43.11
Medium	200	338	44.30	16.38	4.73	13.11	8.56	5.13	47.91
Fast	210	325	38.00	19.00	6.69	11.69	11.59	3.43	52.40
Sealer, water base (material #1)									
Roll prime coat									
Slow	100	275	54.70	25.70	6.17	19.89	9.83	9.85	71.44
Medium	120	263	47.80	27.29	7.87	18.17	13.34	8.00	74.67
Fast	150	250	41.00	26.60	9.40	16.40	16.24	4.80	73.44
Sealer, oil base (material #2)									
Roll prime coat									
Slow	100	350	73.30	25.70	6.17	20.94	10.03	10.05	72.89
Medium	120	325	64.10	27.29	7.87	19.72	13.73	8.24	76.85
Fast	150	300	55.00	26.60	9.40	18.33	16.84	4.98	76.15
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	130	325	67.00	19.77	4.74	20.62	8.57	8.59	62.29
Medium	145	313	58.60	22.59	6.53	18.72	11.96	7.18	66.98
Fast	160	300	50.20	24.94	8.80	16.73	15.65	4.63	70.75
Roll 2nd or additional finish coats									
Slow	180	350	67.00	14.28	3.44	19.14	7.00	7.02	50.88
Medium	190	338	58.60	17.24	4.96	17.34	9.89	5.93	55.36
Fast	200	325	50.20	19.95	7.04	15.45	13.16	3.89	59.49

## General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	130	375	159.80	19.77	4.74	42.61	12.75	12.78	92.65
Medium	145	363	139.80	22.59	6.53	38.51	16.91	10.14	94.68
Fast	160	350	119.80	24.94	8.80	34.23	21.07	6.23	95.27
Roll 2nd or additional finish coats									
Slow	180	400	159.80	14.28	3.44	39.95	10.96	10.98	79.61
Medium	190	388	139.80	17.24	4.96	36.03	14.56	8.74	81.53
Fast	200	375	119.80	19.95	7.04	31.95	18.27	5.40	82.61

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. Figure painting of wood ceilings separate from wood beams. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for protecting adjacent surfaces if ceilings alone are painted, not the walls. Otherwise, figure any cutting-in and protection time with the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, tongue &amp; groove, paint grade, spray</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	300	180	50.60	8.57	2.04	28.11	7.36	7.38	53.46
Medium	360	155	44.30	9.10	2.63	28.58	10.08	6.05	56.44
Fast	420	125	38.00	9.50	3.35	30.40	13.41	3.97	60.63
Spray 2nd coat									
Slow	420	250	50.60	6.12	1.47	20.24	5.29	5.30	38.42
Medium	470	225	44.30	6.97	2.02	19.69	7.17	4.30	40.15
Fast	520	200	38.00	7.67	2.69	19.00	9.11	2.69	41.16
Spray 3rd or additional coats									
Slow	520	325	50.60	4.94	1.18	15.57	4.12	4.13	29.94
Medium	570	300	44.30	5.75	1.64	14.77	5.55	3.33	31.04
Fast	620	275	38.00	6.44	2.25	13.82	6.98	2.07	31.56
Sealer, water base (material #1)									
Spray prime coat									
Slow	320	180	54.70	8.03	1.95	30.39	7.67	7.68	55.72
Medium	380	155	47.80	8.62	2.48	30.84	10.49	6.29	58.72
Fast	440	125	41.00	9.07	3.18	32.80	13.97	4.13	63.15
Sealer, oil base (material #2)									
Spray prime coat									
Slow	320	200	73.30	8.03	1.95	36.65	8.86	8.88	64.37
Medium	380	190	64.10	8.62	2.48	33.74	11.21	6.73	62.78
Fast	440	180	55.00	9.07	3.18	30.56	13.28	3.93	60.02
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	400	250	67.00	6.43	1.54	26.80	6.61	6.62	48.00
Medium	450	225	58.60	7.28	2.09	26.04	8.86	5.31	49.58
Fast	500	200	50.20	7.98	2.82	25.10	11.13	3.29	50.32
Spray 2nd or additional finish coat									
Slow	500	325	67.00	5.14	1.23	20.62	5.13	5.14	37.26
Medium	550	300	58.60	5.95	1.73	19.53	6.80	4.08	38.09
Fast	600	275	50.20	6.65	2.36	18.25	8.45	2.50	38.21

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	400	270	159.80	6.43	1.54	59.19	12.76	12.79	92.71
Medium	450	250	139.80	7.28	2.09	55.92	16.33	9.80	91.42
Fast	500	230	119.80	7.98	2.82	52.09	19.50	5.77	88.16
Spray 2nd or additional finish coat									
Slow	500	325	159.80	5.14	1.23	49.17	10.55	10.57	76.66
Medium	550	313	139.80	5.95	1.73	44.66	13.08	7.85	73.27
Fast	600	300	119.80	6.65	2.36	39.93	15.17	4.49	68.60

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. Figure painting of wood ceilings separate from wood beams. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for masking-off or cutting-in at wall-to-ceiling intersections and for protecting adjacent surfaces as necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ceilings, tongue &amp; groove, stain grade, roll and brush</b>									
Semi-transparent stain, water base (material #20)									
Roll & brush each coat									
Slow	200	300	66.20	12.85	3.09	22.07	7.22	7.24	52.47
Medium	240	275	57.90	13.65	3.95	21.05	9.66	5.80	54.11
Fast	280	250	49.70	14.25	5.02	19.88	12.14	3.59	54.88
Semi-transparent stain, oil base (material #21)									
Roll & brush each coat									
Slow	200	280	67.60	12.85	3.09	24.14	7.61	7.63	55.32
Medium	240	260	59.20	13.65	3.95	22.77	10.09	6.05	56.51
Fast	280	240	50.70	14.25	5.02	21.13	12.53	3.71	56.64
<b>Ceilings, tongue &amp; groove, stain grade, spray application</b>									
Semi-transparent stain, water base (material #20)									
Spray each coat									
Slow	300	220	66.20	8.57	2.04	30.09	7.74	7.75	56.19
Medium	350	200	57.90	9.36	2.71	28.95	10.26	6.15	57.43
Fast	400	180	49.70	9.98	3.52	27.61	12.74	3.77	57.62
Semi-transparent stain, oil base (material #21)									
Spray each coat									
Slow	300	200	67.60	8.57	2.04	33.80	8.44	8.46	61.31
Medium	350	188	59.20	9.36	2.71	31.49	10.89	6.53	60.98
Fast	400	175	50.70	9.98	3.52	28.97	13.17	3.89	59.53
Stain, seal and 2 coat lacquer system (7 step process)									
STEP 1: Sand & putty									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	125	--	--	26.20	7.57	--	8.44	5.07	47.28
Fast	150	--	--	26.60	9.40	--	11.16	3.30	50.46
STEP 2 & 3: Wiping stain, oil base (material #11a) & wipe									
Roll & brush, 1 coat & wipe									
Slow	75	300	87.30	34.27	8.21	29.10	13.60	13.63	98.81
Medium	100	275	76.40	32.75	9.46	27.78	17.50	10.50	97.99
Fast	125	250	65.50	31.92	11.26	26.20	21.51	6.36	97.25
Spray, 1 coat & wipe									
Slow	275	150	87.30	9.35	2.25	58.20	13.26	13.29	96.35
Medium	300	125	76.40	10.92	3.14	61.12	18.80	11.28	105.26
Fast	325	100	65.50	12.28	4.35	65.50	25.45	7.53	115.11

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
STEP 4: Sanding sealer (material #11b)									
Brush, 1 coat									
Slow	125	325	70.90	20.56	4.94	21.82	8.99	9.01	65.32
Medium	150	300	62.10	21.83	6.32	20.70	12.21	7.33	68.39
Fast	175	275	53.20	22.80	8.02	19.35	15.56	4.60	70.33
Spray, 1 coat									
Slow	350	150	70.90	7.34	1.77	47.27	10.71	10.73	77.82
Medium	400	125	62.10	8.19	2.36	49.68	15.06	9.04	84.33
Fast	450	100	53.20	8.87	3.11	53.20	20.21	5.98	91.37
STEP 5: Sand lightly									
Slow	175	--	--	14.69	3.51	--	3.46	3.47	25.13
Medium	225	--	--	14.56	4.18	--	4.69	2.82	26.25
Fast	275	--	--	14.51	5.14	--	6.09	1.80	27.54
STEP 6 & 7: Lacquer, 2 coats (material #11c)									
Brush, 1st coat									
Slow	150	350	87.80	17.13	4.13	25.09	8.80	8.82	63.97
Medium	200	338	76.80	16.38	4.73	22.72	10.96	6.57	61.36
Fast	275	325	65.90	14.51	5.14	20.28	12.37	3.66	55.96
Brush, 2nd coat									
Slow	200	400	87.80	12.85	3.09	21.95	7.20	7.21	52.30
Medium	250	375	76.80	13.10	3.78	20.48	9.34	5.61	52.31
Fast	325	350	65.90	12.28	4.35	18.83	10.99	3.25	49.70
Spray, 1st coat									
Slow	425	275	87.80	6.05	1.44	31.93	7.49	7.51	54.42
Medium	525	250	76.80	6.24	1.78	30.72	9.69	5.81	54.24
Fast	625	225	65.90	6.38	2.26	29.29	11.76	3.48	53.17
Spray, 2nd coat									
Slow	475	300	87.80	5.41	1.31	29.27	6.84	6.85	49.68
Medium	588	275	76.80	5.57	1.61	27.93	8.78	5.27	49.16
Fast	650	250	65.90	6.14	2.17	26.36	10.75	3.18	48.60

## National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Complete 7 step stain, seal & 2 coat lacquer system (material #11)									
Brush all coats									
Slow	30	150	83.50	85.67	20.55	55.67	30.76	30.83	223.48
Medium	35	138	73.00	93.57	27.02	52.90	43.38	26.03	242.90
Fast	40	125	62.60	99.75	35.20	50.08	57.36	16.97	259.36
Spray all coats									
Slow	60	50	83.50	42.83	10.30	167.00	41.82	41.91	303.86
Medium	70	40	73.00	46.79	13.53	182.50	60.70	36.42	339.94
Fast	80	30	62.60	49.88	17.60	208.67	85.61	25.32	387.08

Ceiling estimates are based on overall dimensions (length times width) to 8 feet high. Do not make deductions for openings in the ceiling area that are under 100 square feet. Figure painting of wood ceilings separate from wood beams. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for masking-off or cutting-in at wall-to-ceiling intersections and for protecting adjacent surfaces as necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Closet pole, stain grade</b>									
Penetrating oil stain, (material #13)									
Brush & wipe, 1 coat									
Slow	40	225	125.00	64.25	15.43	55.56	25.69	25.75	186.68
Medium	50	213	109.40	65.50	18.92	51.36	33.95	20.37	190.10
Fast	60	200	93.80	66.50	23.48	46.90	42.43	12.55	191.86

To stain poles in new construction, apply stain before installation. On repaints, remove the pole before staining. When estimating by the Opening Count Method, count one opening for each 10 linear feet of pole. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Closet shelf &amp; pole, paint grade</b>									
Undercoat, water base (material #3)									
Brush 1 coat									
Slow	17	80	55.90	151.18	36.28	69.88	48.89	49.00	355.23
Medium	22	70	49.00	148.86	42.98	70.00	65.47	39.28	366.59
Fast	33	60	42.00	120.91	42.65	70.00	72.41	21.42	327.39
Undercoat, oil base (material #4)									
Brush 1 coat									
Slow	17	90	71.80	151.18	36.28	79.78	50.78	50.88	368.90
Medium	22	80	62.80	148.86	42.98	78.50	67.60	40.56	378.50
Fast	33	65	53.90	120.91	42.65	82.92	76.42	22.61	345.51
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 & #9)									
Brush 1 coat									
Slow	16	80	61.45	160.63	38.56	76.81	52.44	52.55	380.99
Medium	21	70	53.80	155.95	45.05	76.86	69.47	41.68	389.01
Fast	32	60	46.10	124.69	44.00	76.83	76.12	22.52	344.16
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 & #10)									
Brush 1 coat									
Slow	16	90	115.80	160.63	38.56	128.67	62.29	62.42	452.57
Medium	21	80	101.30	155.95	45.05	126.63	81.91	49.15	458.69
Fast	32	65	86.85	124.69	44.00	133.62	93.72	27.72	423.75
Enamel, water base (material #9)									
Brush each coat									
Slow	15	80	67.00	171.33	41.15	83.75	56.28	56.40	408.91
Medium	20	70	58.60	163.75	47.30	83.71	73.70	44.22	412.68
Fast	30	60	50.20	133.00	46.92	83.67	81.72	24.17	369.48
Enamel, oil base (material #10)									
Brush each coat									
Slow	15	90	159.80	171.33	41.15	177.56	74.10	74.26	538.40
Medium	20	80	139.80	163.75	47.30	174.75	96.46	57.87	540.13
Fast	30	65	119.80	133.00	46.92	184.31	112.92	33.40	510.55

Use these costs for painting the wardrobe closet shelves and poles with an undercoat and enamel system. If painting wardrobe closet shelves and poles with flat latex paint along with walls, use the Opening Count Method described under Doors, interior openings. Measurements are based on linear feet (LF) of shelves and poles. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

# National Painting Cost Estimator

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Closet shelves, paint grade</b>									
Undercoat, water base (material #3)									
Brush 1 coat									
Slow	30	100	55.90	85.67	20.55	55.90	30.80	30.87	223.79
Medium	37	90	49.00	88.51	25.58	54.44	42.13	25.28	235.94
Fast	44	80	42.00	90.68	32.02	52.50	54.31	16.07	245.58
Undercoat, oil base (material #4)									
Brush 1 coat									
Slow	30	110	71.80	85.67	20.55	65.27	32.59	32.65	236.73
Medium	37	100	62.80	88.51	25.58	62.80	44.22	26.53	247.64
Fast	44	90	53.90	90.68	32.02	59.89	56.60	16.74	255.93
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 & #9)									
Brush 1 coat									
Slow	27	100	61.45	95.19	22.86	61.45	34.10	34.17	247.77
Medium	35	90	53.80	93.57	27.02	59.78	45.10	27.06	252.53
Fast	42	80	46.10	95.00	33.53	57.63	57.71	17.07	260.94
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 & #10)									
Brush 1 coat									
Slow	27	110	115.80	95.19	22.86	105.27	42.43	42.52	308.27
Medium	35	100	101.30	93.57	27.02	101.30	55.48	33.29	310.66
Fast	42	90	86.85	95.00	33.53	96.50	69.76	20.64	315.43
Enamel, water base (material #9)									
Brush each coat									
Slow	25	100	67.00	102.80	24.68	67.00	36.95	37.03	268.46
Medium	33	90	58.60	99.24	28.66	65.11	48.26	28.95	270.22
Fast	40	80	50.20	99.75	35.20	62.75	61.29	18.13	277.12
Enamel, oil base (material #10)									
Brush each coat									
Slow	25	110	159.80	102.80	24.68	145.27	51.82	51.93	376.50
Medium	33	100	139.80	99.24	28.66	139.80	66.93	40.16	374.79
Fast	40	90	119.80	99.75	35.20	133.11	83.10	24.58	375.74

Use these costs for painting the wardrobe closet shelves with an undercoat and enamel system. If painting wardrobe closet shelves with flat latex paint along with walls, use the Opening Count Method described under Doors, interior openings. Measurements are based on linear feet (LF) of shelves. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Closets, molding at perimeter, paint grade</b>									
Undercoat, water base (material #3)									
Brush 1 coat									
Slow	80	225	55.90	32.13	7.71	24.84	12.29	12.32	89.29
Medium	95	213	49.00	34.47	9.98	23.00	16.86	10.11	94.42
Fast	110	200	42.00	36.27	12.80	21.00	21.72	6.43	98.22
Undercoat, oil base (material #4)									
Brush 1 coat									
Slow	80	250	71.80	32.13	7.71	28.72	13.03	13.05	94.64
Medium	95	238	62.80	34.47	9.98	26.39	17.71	10.62	99.17
Fast	110	220	53.90	36.27	12.80	24.50	22.81	6.75	103.13
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 & #9)									
Brush 1 coat									
Slow	75	225	61.45	34.27	8.21	27.31	13.26	13.29	96.34
Medium	90	213	53.80	36.39	10.51	25.26	18.04	10.83	101.03
Fast	105	200	46.10	38.00	13.39	23.05	23.08	6.83	104.35
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 & #10)									
Brush 1 coat									
Slow	75	250	115.80	34.27	8.21	46.32	16.87	16.91	122.58
Medium	90	238	101.30	36.39	10.51	42.56	22.37	13.42	125.25
Fast	105	220	86.85	38.00	13.39	39.48	28.18	8.33	127.38
Enamel, water base (material #9)									
Brush each coat									
Slow	70	225	67.00	36.71	8.83	29.78	14.31	14.34	103.97
Medium	85	213	58.60	38.53	11.11	27.51	19.30	11.58	108.03
Fast	100	200	50.20	39.90	14.08	25.10	24.51	7.25	110.84
Enamel, oil base (material #10)									
Brush each coat									
Slow	70	250	159.80	36.71	8.83	63.92	20.79	20.84	151.09
Medium	85	238	139.80	38.53	11.11	58.74	27.10	16.26	151.74
Fast	100	220	119.80	39.90	14.08	54.45	33.61	9.94	151.98

Use these costs for molding around wardrobe closets. Measurements are based on linear feet (LF) of molding.  
 "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Corbels, wood trim, stain grade, average size 4" x 8"**

Solid body stain, water base (material #18)

Brush each coat

Slow	15	50	67.30	171.33	41.15	134.60	65.94	66.08	479.10
Medium	20	48	58.90	163.75	47.30	122.71	83.45	50.07	467.28
Fast	25	45	50.50	159.60	56.32	112.22	101.73	30.09	459.96

Solid body stain, oil base (material #19)

Brush each coat

Slow	15	55	81.30	171.33	41.15	147.82	68.45	68.60	497.35
Medium	20	53	71.10	163.75	47.30	134.15	86.31	51.78	483.29
Fast	25	50	61.00	159.60	56.32	122.00	104.76	30.99	473.67

Semi-transparent stain, water base (material #20)

Brush each coat

Slow	18	55	66.20	142.78	34.29	120.36	56.51	56.63	410.57
Medium	22	53	57.90	148.86	42.98	109.25	75.28	45.17	421.54
Fast	28	50	49.70	142.50	50.26	99.40	90.58	26.79	409.53

Semi-transparent stain, oil base (material #21)

Brush each coat

Slow	18	60	67.60	142.78	34.29	112.67	55.05	55.16	399.95
Medium	22	58	59.20	148.86	42.98	102.07	73.49	44.09	411.49
Fast	28	55	50.70	142.50	50.26	92.18	88.34	26.13	399.41

Use these costs for painting corbels averaging 4" x 8" in size. Measurements are based on linear feet (LF) of corbels that are painted or stained with a different material or color than the surface they extend from. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Cutting-in, horizontal, interior or exterior**

Cutting-in, horizontal, heights less than 6'8"

Brush application

Slow	23	--	--	111.74	26.83	--	26.33	26.38	191.28
Medium	35	--	--	94.93	27.44	--	30.59	18.35	171.31
Fast	56	--	--	70.68	24.92	--	29.65	8.77	134.02

Cutting-in, horizontal, heights from 6'8" to 9'0" (1.3 High Time Difficulty Factor included)

Brush application

Slow	18	--	--	145.26	34.87	--	34.22	34.29	248.64
Medium	27	--	--	123.41	35.64	--	39.77	23.86	222.68
Fast	43	--	--	91.88	32.44	--	38.54	11.40	174.26

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Cutting-in, horizontal, heights from 9'0" to 13'0" (1.6 High Time Difficulty Factor included)</b>									
Brush application									
Slow	14	--	--	178.78	42.94	--	42.12	42.21	306.05
Medium	22	--	--	151.88	43.89	--	48.94	29.37	274.08
Fast	35	--	--	113.08	39.90	--	47.43	14.03	214.44
<b>Cutting-in, horizontal, heights from 13'0" to 17'0" (1.9 High Time Difficulty Factor included)</b>									
Brush application									
Slow	12	--	--	212.30	50.98	--	50.02	50.12	363.42
Medium	18	--	--	180.36	52.09	--	58.12	34.87	325.44
Fast	30	--	--	134.29	47.41	--	56.32	16.66	254.68
<b>Cutting-in, horizontal, heights from 17'0" to 19'0" (2.2 High Time Difficulty Factor included)</b>									
Brush application									
Slow	10	--	--	245.83	59.01	--	57.92	58.04	420.80
Medium	16	--	--	208.84	60.33	--	67.30	40.38	376.85
Fast	26	--	--	155.49	54.87	--	65.22	19.29	294.87
<b>Cutting-in, horizontal, heights from 19'0" to 21'0" (2.5 High Time Difficulty Factor included)</b>									
Brush application									
Slow	9	--	--	279.35	67.08	--	65.81	65.95	478.19
Medium	14	--	--	237.32	68.53	--	76.48	45.89	428.22
Fast	23	--	--	176.69	62.33	--	74.11	21.92	335.05
<b>Cutting-in, vertical, interior or exterior</b>									
<b>Cutting-in, vertical, heights less than 6'8"</b>									
Brush application									
Slow	29	--	--	88.62	21.27	--	20.88	20.92	151.69
Medium	41	--	--	80.67	23.29	--	26.00	15.60	145.56
Fast	58	--	--	68.79	24.27	--	28.85	8.53	130.44
<b>Cutting-in, vertical, heights from 6'8" to 9'0" (1.3 High Time Difficulty Factor included)</b>									
Brush application									
Slow	22	--	--	115.21	27.66	--	27.14	27.20	197.21
Medium	31	--	--	104.86	30.30	--	33.79	20.27	189.22
Fast	45	--	--	89.43	31.54	--	37.51	11.10	169.58
<b>Cutting-in, vertical, heights from 9'0" to 13'0" (1.6 High Time Difficulty Factor included)</b>									
Brush application									
Slow	18	--	--	141.79	34.04	--	33.41	33.48	242.72
Medium	25	--	--	129.06	37.29	--	41.59	24.95	232.89
Fast	36	--	--	110.07	38.86	--	46.17	13.66	208.76
<b>Cutting-in, vertical, heights from 13'0" to 17'0" (1.9 High Time Difficulty Factor included)</b>									
Brush application									
Slow	15	--	--	168.38	40.43	--	39.67	39.75	288.23
Medium	21	--	--	153.26	44.28	--	49.39	29.63	276.56
Fast	31	--	--	130.71	46.13	--	54.82	16.22	247.88

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
Cutting-in, vertical, heights from 17'0" to 19'0" (2.2 High Time Difficulty Factor included)									
Brush application									
Slow	13	--	--	194.97	46.80	--	45.93	46.03	333.73
Medium	18	--	--	177.46	51.28	--	57.19	34.31	320.24
Fast	26	--	--	151.34	53.41	--	63.48	18.78	287.01
Cutting-in, vertical, heights from 19'0" to 21'0" (2.5 High Time Difficulty Factor included)									
Brush application									
Slow	12	--	--	221.55	53.20	--	52.20	52.31	379.26
Medium	16	--	--	201.66	58.27	--	64.99	38.99	363.91
Fast	23	--	--	171.98	60.67	--	72.13	21.34	326.12

Use these figures when cutting-in by hand with a brush at vertical walls, horizontal ceilings, at baseboards, around door frames, etc. when different colors or different sheens (i.e. flat vs. semi-gloss) are used on the adjacent surfaces. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1.

"Slow" applies to residential repaints with heavy texture. "Slow" also applies when cutting in freehand, i.e. using a brush to build-up a bead of paint and running the cut line 3/16" to 1/8" from the adjacent surface, typically horizontal cutting-in at ceilings. "Medium" applies to residential or commercial repaints with light to medium texture. "Medium" speed also applies when using masking tape to form the cut line, then using light brush coats so excess paint doesn't seep under the tape. This application is common around doors, windows at woodwork, and can be used vertically at wall to wall intersections. "Fast" applies to new construction with smooth wall or orange peel texture. "Fast" speed also applies when using a paint guide, either metal or plastic. The paint guide is typically used for vertical wall-to-wall applications, but can be used for horizontal use at baseboards, over doors, etc. As when using masking tape at medium speed, a series of light brush coats works best so paint doesn't seep under the guide tool.

**Tip:** At baseboards, it's sometimes best to use a stiff putty knife to pull the baseboard away from the wall, and use a Bender paint pad to paint the wall behind the baseboard. Then, while the base is away from the wall, paint the top edge of the base and reinstall the baseboard.

#### Notes:

1 - Material consumption for cutting-in is minimal or zero (0) since the material cost is actually calculated in the wall painting or ceiling painting line item.

2 - High Time Difficulty Factors are built into these figures to allow for up and down time and moving ladders or scaffolding.

3 - Horizontal cutting-in is typically more difficult and consumes more time than vertical cutting-in, as the figures indicate.

ADD for scribing and back-painting (scraping the texture to achieve a clean line and back-painting to cover the scraped intersection) at a wall-to-ceiling or wall-to-wall corner intersection. See Preparation section of this book.

ADD for time to switch paint if there is more than one color in any room, i.e. ceiling color (1), wall color (2), accent wall color (3). In this example, add time to switch paint twice.

### Deck overhang, wood

Multiply the horizontal surface area by 1.5 to allow for painting floor joists and use the overhang table for areas greater than 2.5 feet wide to determine pricing.

### Deck surfaces, steps, stair treads & porches, wood

Measure the surface area and apply the prices for smooth siding.

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Door frames and trim only, per 100 linear feet</b>									
Undercoat, water base (material #3)									
Brush 1 coat									
Slow	220	500	55.90	11.68	2.82	11.18	4.88	4.89	35.45
Medium	270	465	49.00	12.13	3.49	10.54	6.55	3.93	36.64
Fast	320	425	42.00	12.47	4.43	9.88	8.29	2.45	37.52
Undercoat, oil base (material #4)									
Brush 1 coat									
Slow	220	550	71.80	11.68	2.82	13.05	5.23	5.24	38.02
Medium	270	510	62.80	12.13	3.49	12.31	6.99	4.19	39.11
Fast	320	465	53.90	12.47	4.43	11.59	8.82	2.61	39.92
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 & #9)									
Brush 1 coat									
Slow	205	560	61.45	12.54	3.01	10.97	5.04	5.05	36.61
Medium	240	515	53.80	13.65	3.95	10.45	7.01	4.21	39.27
Fast	275	475	46.10	14.51	5.14	9.71	9.10	2.69	41.15
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 & #10)									
Brush 1 coat									
Slow	205	610	115.80	12.54	3.01	18.98	6.56	6.57	47.66
Medium	240	565	101.30	13.65	3.95	17.93	8.88	5.33	49.74
Fast	275	525	86.85	14.51	5.14	16.54	11.21	3.32	50.72
Enamel, water base (material #9)									
Brush each coat									
Slow	185	560	67.00	13.89	3.35	11.96	5.54	5.56	40.30
Medium	220	515	58.60	14.89	4.32	11.38	7.64	4.59	42.82
Fast	255	475	50.20	15.65	5.51	10.57	9.84	2.91	44.48
Enamel, oil base (material #10)									
Brush each coat									
Slow	185	610	159.80	13.89	3.35	26.20	8.25	8.27	59.96
Medium	220	565	139.80	14.89	4.32	24.74	10.98	6.59	61.52
Fast	255	525	119.80	15.65	5.51	22.82	13.64	4.03	61.65

Use these figures for painting door frames and wood trim on all sides when doors are not to be painted. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors), putty, caulking, sanding and cleanup. When doors are painted along with the frames and trim, use the Opening Count Method under Doors, interior openings, and/or the exterior door costs under Doors, exterior. Measurements for door frames and trim are based on linear feet (LF) of the frame. Prices are for about 17 linear feet of frame at each opening. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

# National Painting Cost Estimator

	Openings per manhour	Openings per gallon	Material cost per gallon	Labor cost per opening	Labor burden opening	Material cost per opening	Overhead per opening	Profit per opening	Total price per opening
<b>Door frames and trim only, per opening</b>									
Undercoat, water base (material #3)									
Brush 1 coat									
Slow	13	30	55.90	1.98	.47	1.86	.82	.82	5.95
Medium	16	28	49.00	2.05	.61	1.75	1.10	.66	6.17
Fast	18	25	42.00	2.22	.80	1.68	1.45	.43	6.58
Undercoat, oil base (material #4)									
Brush 1 coat									
Slow	13	33	71.80	1.98	.47	2.18	.88	.88	6.39
Medium	16	31	62.80	2.05	.61	2.03	1.17	.70	6.56
Fast	18	28	53.90	2.22	.80	1.93	1.53	.45	6.93
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 & #9)									
Brush 1 coat									
Slow	12	33	61.45	2.14	.51	1.86	.86	.86	6.23
Medium	14	31	53.80	2.34	.66	1.74	1.19	.71	6.64
Fast	16	28	46.10	2.49	.91	1.65	1.56	.46	7.07
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 & #10)									
Brush 1 coat									
Slow	12	36	115.80	2.14	.51	3.22	1.12	1.12	8.11
Medium	14	34	101.30	2.34	.66	2.98	1.50	.90	8.38
Fast	16	31	86.85	2.49	.91	2.80	1.91	.57	8.68
Enamel, water base (material #9)									
Brush each coat									
Slow	11	33	67.00	2.34	.56	2.03	.94	.94	6.81
Medium	13	31	58.60	2.52	.73	1.89	1.29	.77	7.20
Fast	15	28	50.20	2.66	.96	1.79	1.67	.49	7.57
Enamel, oil base (material #10)									
Brush each coat									
Slow	11	36	159.80	2.34	.56	4.44	1.39	1.40	10.13
Medium	13	34	139.80	2.52	.73	4.11	1.84	1.10	10.30
Fast	15	31	119.80	2.66	.96	3.86	2.31	.68	10.47

Use these figures for painting door frames and wood trim on all sides when doors are not to be painted. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. When doors are painted along with the frames and trim, use the Opening Count Method under Doors, interior openings, and/or the exterior door costs under Doors, exterior. These costs are based on a count of the openings requiring paint. Prices are for about 17 linear feet of frame at each opening. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



## Doors, exterior

The tables that follow include costs for both time and material needed to apply two coats of a high quality finish to all six sides of each exterior door, finish the jamb and trim, and lay-off each door smoothly. These costs are in addition to those shown under Doors, interior openings, for both the *Opening Count Method* and the *Per Door Method*, which include one coat of undercoat and one coat of enamel for each exterior door along with the interior doors. New exterior paint grade doors actually receive two coats of exterior enamel. New exterior stain grade doors actually receive a coat of stain, sealer, and then a coat of either marine spar varnish or polyurethane finish. The following two examples give total cost to finish a flush or a panel (entry) exterior door with polyurethane, and includes the cost for the two coats from the interior take-off.

### Example #1 Flush Doors

#### OPENING COUNT METHOD

Included in the interior take-off

Opening Count Method, interior undercoat cost - 1 coat, slow \$ 23.77 (page 103)

Opening Count Method, interior enamel cost - 1 coat, slow \$ 25.00 (page 103)

Included in the exterior take-off

Exterior, flush, two coat system, polyurethane cost - 2 coats, slow \$ 82.07 (page 98)

Total to finish the exterior door \$ 130.84

**OR**

#### PER DOOR METHOD

Included in the interior take-off

Per Door Method, interior, flush, undercoat cost - 1 coat, slow \$ 23.54 (page 109)

Per Door Method, interior enamel cost - 1 coat, slow \$ 21.14 (page 109)

Included in the exterior take-off

Exterior, flush, two coat system, polyurethane cost - 2 coats, slow \$ 82.07 (page 98)

Total to finish the exterior door \$ 126.75

Under this system, much of the cost to paint the exterior door is included in the interior take-off. When counting interior doors, be sure you include all the exterior doors whether you use either the *Opening Count Method* or the *Per Door Method* to estimate doors.

### Example #2 Panel (Entry) Doors

#### OPENING COUNT METHOD

Included in the interior take-off

Opening Count Method, interior undercoat cost - 1 coat, slow \$ 23.77 (page 103)

Opening Count Method, interior enamel cost - 1 coat, slow \$ 25.00 (page 103)

Included in the exterior take-off

Exterior, panel (entry) two coat system, polyurethane cost - 2 coats, slow \$ 138.89 (page 101)

Total to finish the exterior door \$ 187.66

**OR**

#### PER DOOR METHOD

Included in the interior take-off

Per Door Method, interior, flush, undercoat cost - 1 coat, slow \$ 23.54 (page 109)

Per Door Method, interior enamel cost - 1 coat, slow \$ 21.14 (page 109)

Included in the exterior take-off

Exterior, panel (entry) two coat system, polyurethane cost - 2 coats, slow \$ 138.89 (page 101)

Total to finish the exterior door \$ 183.57

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, exterior, flush, two coat system</b>									
Exterior enamel, 2 coat system, water base (material #24)									
Roll & brush 2 coats									
Slow	0.5	7	80.00	12.85	3.09	11.43	5.20	5.21	37.78
Medium	0.4	6	70.00	13.10	3.78	11.67	7.14	4.28	39.97
Fast	0.3	5	60.00	11.97	4.22	12.00	8.74	2.59	39.52
Exterior enamel, 2 coat system, oil base (material #25)									
Roll & brush 2 coats									
Slow	0.5	7	105.50	12.85	3.09	15.07	5.89	5.90	42.80
Medium	0.4	6	92.30	13.10	3.78	15.38	8.07	4.84	45.17
Fast	0.3	5	79.10	11.97	4.22	15.82	9.93	2.94	44.88
Polyurethane (material #22)									
Brush 2 coats									
Slow	0.7	5.0	185.70	17.99	4.32	37.14	11.30	11.32	82.07
Medium	0.6	4.5	162.50	19.65	5.68	36.11	15.36	9.22	86.02
Fast	0.5	4.0	139.30	19.95	7.04	34.83	19.16	5.67	86.65
Marine spar varnish, flat or gloss (material #23)									
Brush 2 coats									
Slow	0.6	6	124.00	15.42	3.70	20.67	7.56	7.58	54.93
Medium	0.5	5	108.50	16.38	4.73	21.70	10.70	6.42	59.93
Fast	0.4	4	93.00	15.96	5.63	23.25	13.90	4.11	62.85
ADD - Preparation for spar varnish									
Steel wool buff	0.2	--	--	6.55	1.89	--	2.11	1.27	11.82
Wax application	0.2	--	--	6.55	1.89	--	2.11	1.27	11.82

Use these figures for painting two coats on flush exterior doors, other than entry doors. These costs are to be included with the exterior door take-off and are in addition to the costs that are included in the interior take-off as explained by the example in the previous section. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. Add minimum preparation time for varnishing as indicated above. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, exterior, French, two coat system</b>									
Exterior enamel, 2 coat system, water base (material #24)									
Roll & brush 2 coats									
Slow	1.0	12	80.00	25.70	6.17	6.67	7.32	7.34	53.20
Medium	0.8	10	70.00	26.20	7.57	7.00	10.19	6.12	57.08
Fast	0.6	8	60.00	23.94	8.45	7.50	12.37	3.66	55.92
Exterior enamel, 2 coat system, oil base (material #25)									
Roll & brush 2 coats									
Slow	1.0	12	105.50	25.70	6.17	8.79	7.73	7.74	56.13
Medium	0.8	10	92.30	26.20	7.57	9.23	10.75	6.45	60.20
Fast	0.6	8	79.10	23.94	8.45	9.89	13.11	3.88	59.27
Polyurethane (material #22)									
Brush 2 coats									
Slow	1.5	8.0	185.70	38.55	9.26	23.21	13.49	13.52	98.03
Medium	1.3	7.5	162.50	42.58	12.29	21.67	19.14	11.48	107.16
Fast	1.0	7.0	139.30	39.90	14.08	19.90	22.90	6.77	103.55
Marine spar varnish, flat or gloss (material #23)									
Brush 2 coats									
Slow	1.2	12	124.00	30.84	7.40	10.33	9.23	9.25	67.05
Medium	1.0	10	108.50	32.75	9.46	10.85	13.27	7.96	74.29
Fast	0.8	8	93.00	31.92	11.26	11.63	16.99	5.03	76.83
ADD - Preparation for spar varnish									
Steel wool buff	0.3	--	--	9.83	2.83	--	3.17	1.90	17.73
Wax application	0.3	--	--	9.83	2.83	--	3.17	1.90	17.73

Use these figures for painting two coats on exterior French doors that have 10 to 15 lites. These costs are to be included with the exterior door take-off and are in addition to the costs that are included in the interior take-off as explained by the example in the previous section. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. Add minimum preparation time for varnishing as indicated above. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, exterior, louvered, two coat system</b>									
Exterior enamel, 2 coat system, water base (material #24)									
Roll & brush 2 coats									
Slow	1.4	7	80.00	35.98	8.64	11.43	10.65	10.67	77.37
Medium	1.1	6	70.00	36.03	10.40	11.67	14.53	8.72	81.35
Fast	0.7	5	60.00	27.93	9.86	12.00	15.43	4.57	69.79
Exterior enamel, 2 coat system, oil base (material #25)									
Roll & brush 2 coats									
Slow	1.4	7	105.50	35.98	8.64	15.07	11.34	11.36	82.39
Medium	1.1	6	92.30	36.03	10.40	15.38	15.46	9.27	86.54
Fast	0.7	5	79.10	27.93	9.86	15.82	16.62	4.92	75.15
Polyurethane (material #22)									
Brush 2 coats									
Slow	1.7	5.0	185.70	43.69	10.49	37.14	17.35	17.39	126.06
Medium	1.5	4.5	162.50	49.13	14.19	36.11	24.86	14.92	139.21
Fast	1.2	4.0	139.30	47.88	16.90	34.83	30.88	9.13	139.62
Marine spar varnish, flat or gloss (material #23)									
Brush 2 coats									
Slow	1.6	7	124.00	41.12	9.87	17.71	13.05	13.08	94.83
Medium	1.3	6	108.50	42.58	12.29	18.08	18.24	10.95	102.14
Fast	0.9	5	93.00	35.91	12.67	18.60	20.83	6.16	94.17
ADD - Preparation for spar varnish									
Steel wool buff	0.4	--	--	13.10	3.78	--	4.22	2.53	23.63
Wax application	0.4	--	--	13.10	3.78	--	4.22	2.53	23.63

Use these figures for painting two coats on exterior louvered doors. These costs are to be included with the exterior door take-off and are in addition to the costs that are included in the interior take-off as explained by the example in the previous section. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. Add minimum preparation time for varnishing as indicated above. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, exterior, panel (entry), two coat system</b>									
Exterior enamel, 2 coat system, water base (material #24)									
Roll & brush 2 coats									
Slow	1.4	4	80.00	35.98	8.64	20.00	12.28	12.30	89.20
Medium	1.1	3	70.00	36.03	10.40	23.33	17.44	10.47	97.67
Fast	0.8	2	60.00	31.92	11.26	30.00	22.69	6.71	102.58
Exterior enamel, 2 coat system, oil base (material #25)									
Roll & brush 2 coats									
Slow	1.4	4	105.50	35.98	8.64	26.38	13.49	13.52	98.01
Medium	1.1	3	92.30	36.03	10.40	30.77	19.30	11.58	108.08
Fast	0.8	2	79.10	31.92	11.26	39.55	25.65	7.59	115.97
Polyurethane (material #22)									
Brush 2 coats									
Slow	1.7	4	185.70	43.69	10.49	46.43	19.12	19.16	138.89
Medium	1.5	3	162.50	49.13	14.19	54.17	29.38	17.63	164.50
Fast	1.2	2	139.30	47.88	16.90	69.65	41.67	12.33	188.43
Marine spar varnish, flat or gloss (material #23)									
Brush 2 coats									
Slow	1.4	4	124.00	35.98	8.64	31.00	14.37	14.40	104.39
Medium	1.1	3	108.50	36.03	10.40	36.17	20.65	12.39	115.64
Fast	0.8	2	93.00	31.92	11.26	46.50	27.80	8.22	125.70
ADD - Preparation for spar varnish									
Steel wool buff	0.3	--	--	9.83	2.83	--	3.17	1.90	17.73
Wax application	0.3	--	--	9.83	2.83	--	3.17	1.90	17.73

Use these figures for painting two coats on typical exterior paneled doors. These costs are included with the exterior door take-off and are in addition to the costs that are included in the interior take-off as explained by the example in the previous section. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. Add minimum preparation time for varnishing as indicated above. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

## Doors, Opening Count Method

Many painting companies estimate paint grade doors (including jambs and frames), wood windows, pullmans, linens, bookcases, wine racks and other interior surfaces that take an undercoat and enamel finish by the "opening." Based on Figure 20 below, each opening is considered to take the same time regardless of whether it's a door, window, pullman, etc. These figures are based on the number of openings finished per 8-hour day and the material required per opening. The Opening Count Method of estimating involves counting the quantity of all openings (including all exterior doors) based on the opening allowance table at Figure 20 below. After you determine the number of openings, use the following table in accumulated multiples of 10 for applying undercoat and enamel. The undercoat process is based on 11 to 13 openings per gallon and enamel is based on 10 to 12 openings per gallon. As an example, using the slow rate for water based material on 12 openings with 1 coat of undercoat and 1 coat of enamel, add the 10 opening figures for each coat to the 2 opening figures for each coat as follows:

### Interior Take-off

	Undercoat	Enamel
10 openings	195.79	213.15 (page 108)
2 openings	<u>43.14</u>	<u>46.52</u> (page 103)
12 openings	238.93	259.67

Item	Opening Count
<b>Closets</b>	
Molding at closet perimeter	Count 1 opening per 25'0" length
Poles, stain	Count 1 opening per 10'0" length
Shelf & pole (undercoat or enamel)	Count 1 opening per 6'0" length
Shelves (undercoat or enamel)	Count 1 opening per 10'0" length
<b>Doors</b>	
Bifold doors & frames	Count 1 opening per door
Dutch doors & frames	Count 2 openings per door
Entry doors & frames	Count 1 opening per door
Forced air unit doors & frames	Count 1 opening per door
French doors & frames	Count 1.5 openings per door
Linen doors with face frame	Count 1 opening per 2'0" width
Louvered bifold doors & frames	Count 1 opening per door panel
false	Count 1 opening per door panel
real	Count 1 opening per door or per 1'6" width
Passage doors & frames	
flush	Count 1 opening per door
paneled	Count 1.25 openings per door
Wardrobe doors	Count 1 opening per door
Split coat operation, doors & frames	Count 1 opening per door
Tipoff operation (doors only)	Count .5 opening per door
<b>Pullman cabinets</b>	Count 1 opening per lavatory or per 4'0" width
<b>Windows, wood</b>	Count 1 opening per 6 SF of window

**Figure 20**  
Interior opening count allowance table

	Manhours per opening	Gallons per opening	Material cost per gallon	Labor cost per opening	Labor burden opening	Material cost per opening	Overhead per opening	Profit per opening	Total price per opening
<b>Doors, interior openings, <i>Opening Count Method</i></b>									
<b>1 opening total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	0.4	0.080	55.90	10.28	2.47	4.47	3.27	3.28	23.77
Medium	0.3	0.085	49.00	9.83	2.83	4.17	4.21	2.53	23.57
Fast	0.2	0.090	42.00	7.98	2.82	3.78	4.52	1.34	20.44
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	0.4	0.080	71.80	10.28	2.47	5.74	3.51	3.52	25.52
Medium	0.3	0.085	62.80	9.83	2.83	5.34	4.50	2.70	25.20
Fast	0.2	0.090	53.90	7.98	2.82	4.85	4.85	1.44	21.94
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	0.4	0.08	67.00	10.28	2.47	5.36	3.44	3.45	25.00
Medium	0.3	0.09	58.60	9.83	2.83	5.27	4.49	2.69	25.11
Fast	0.2	0.10	50.20	7.98	2.82	5.02	4.90	1.45	22.17
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	0.4	0.08	159.80	10.28	2.47	12.78	4.85	4.86	35.24
Medium	0.3	0.09	139.80	9.83	2.83	12.58	6.31	3.79	35.34
Fast	0.2	0.10	119.80	7.98	2.82	11.98	7.06	2.09	31.93
<b>2 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	0.7	0.16	55.90	17.99	4.32	8.94	5.94	5.95	43.14
Medium	0.5	0.17	49.00	16.38	4.73	8.33	7.36	4.42	41.22
Fast	0.3	0.18	42.00	11.97	4.22	7.56	7.37	2.18	33.30
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	0.7	0.16	71.80	17.99	4.32	11.49	6.42	6.44	46.66
Medium	0.5	0.17	62.80	16.38	4.73	10.68	7.95	4.77	44.51
Fast	0.3	0.18	53.90	11.97	4.22	9.70	8.03	2.38	36.30
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	0.7	0.17	67.00	17.99	4.32	11.39	6.40	6.42	46.52
Medium	0.5	0.18	58.60	16.38	4.73	10.55	7.92	4.75	44.33
Fast	0.3	0.20	50.20	11.97	4.22	10.04	8.13	2.41	36.77

# *National Painting Cost Estimator*

	Manhours per opening	Gallons per opening	Material cost per gallon	Labor cost per opening	Labor burden opening	Material cost per opening	Overhead per opening	Profit per opening	Total price per opening
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	0.7	0.17	159.80	17.99	4.32	27.17	9.40	9.42	68.30
Medium	0.5	0.18	139.80	16.38	4.73	25.16	11.57	6.94	64.78
Fast	0.3	0.20	119.80	11.97	4.22	23.96	12.45	3.68	56.28
<b>3 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	1.00	0.23	55.90	25.70	6.17	12.86	8.50	8.52	61.75
Medium	0.75	0.25	49.00	24.56	7.10	12.25	10.98	6.59	61.48
Fast	0.50	0.27	42.00	19.95	7.04	11.34	11.88	3.51	53.72
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	1.00	0.23	71.80	25.70	6.17	16.51	9.19	9.21	66.78
Medium	0.75	0.25	62.80	24.56	7.10	15.70	11.84	7.10	66.30
Fast	0.50	0.27	53.90	19.95	7.04	14.55	12.88	3.81	58.23
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	1.00	0.25	67.00	25.70	6.17	16.75	9.24	9.26	67.12
Medium	0.75	0.27	58.60	24.56	7.10	15.82	11.87	7.12	66.47
Fast	0.50	0.30	50.20	19.95	7.04	15.06	13.04	3.86	58.95
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	1.00	0.25	159.80	25.70	6.17	39.95	13.65	13.68	99.15
Medium	0.75	0.27	139.80	24.56	7.10	37.75	17.35	10.41	97.17
Fast	0.50	0.30	119.80	19.95	7.04	35.94	19.51	5.77	88.21
<b>4 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	1.3	0.31	55.90	33.41	8.02	17.33	11.16	11.19	81.11
Medium	1.0	0.33	49.00	32.75	9.46	16.17	14.60	8.76	81.74
Fast	0.7	0.36	42.00	27.93	9.86	15.12	16.40	4.85	74.16
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	1.3	0.31	71.80	33.41	8.02	22.26	12.10	12.13	87.92
Medium	1.0	0.33	62.80	32.75	9.46	20.72	15.73	9.44	88.10
Fast	0.7	0.36	53.90	27.93	9.86	19.40	17.73	5.24	80.16



*General Painting Costs*

	Manhours per opening	Gallons per opening	Material cost per gallon	Labor cost per opening	Labor burden opening	Material cost per opening	Overhead per opening	Profit per opening	Total price per opening
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	1.3	0.33	67.00	33.41	8.02	22.11	12.07	12.10	87.71
Medium	1.0	0.36	58.60	32.75	9.46	21.10	15.83	9.50	88.64
Fast	0.7	0.40	50.20	27.93	9.86	20.08	17.94	5.31	81.12
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	1.3	0.33	159.80	33.41	8.02	52.73	17.89	17.93	129.98
Medium	1.0	0.36	139.80	32.75	9.46	50.33	23.14	13.88	129.56
Fast	0.7	0.40	119.80	27.93	9.86	47.92	26.57	7.86	120.14
<b>5 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	1.6	0.38	55.90	41.12	9.87	21.24	13.72	13.75	99.70
Medium	1.3	0.41	49.00	42.58	12.29	20.09	18.75	11.25	104.96
Fast	0.9	0.45	42.00	35.91	12.67	18.90	20.92	6.19	94.59
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	1.6	0.38	71.80	41.12	9.87	27.28	14.87	14.90	108.04
Medium	1.3	0.41	62.80	42.58	12.29	25.75	20.16	12.10	112.88
Fast	0.9	0.45	53.90	35.91	12.67	24.26	22.58	6.68	102.10
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	1.6	0.42	67.00	41.12	9.87	28.14	15.03	15.07	109.23
Medium	1.3	0.46	58.60	42.58	12.29	26.96	20.46	12.28	114.57
Fast	0.9	0.50	50.20	35.91	12.67	25.10	22.84	6.76	103.28
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	1.6	0.42	159.80	41.12	9.87	67.12	22.44	22.49	163.04
Medium	1.3	0.46	139.80	42.58	12.29	64.31	29.80	17.88	166.86
Fast	0.9	0.50	119.80	35.91	12.67	59.90	33.63	9.95	152.06
<b>6 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	1.90	0.46	55.90	48.83	11.72	25.71	16.39	16.42	119.07
Medium	1.45	0.50	49.00	47.49	13.71	24.50	21.43	12.86	119.99
Fast	1.00	0.54	42.00	39.90	14.08	22.68	23.76	7.03	107.45

National Painting Cost Estimator

	Manhours per opening	Gallons per opening	Material cost per gallon	Labor cost per opening	Labor burden opening	Material cost per opening	Overhead per opening	Profit per opening	Total price per opening
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	1.90	0.46	71.80	48.83	11.72	33.03	17.78	17.82	129.18
Medium	1.45	0.50	62.80	47.49	13.71	31.40	23.15	13.89	129.64
Fast	1.00	0.54	53.90	39.90	14.08	29.11	25.76	7.62	116.47
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	1.90	0.50	67.00	48.83	11.72	33.50	17.87	17.91	129.83
Medium	1.45	0.55	58.60	47.49	13.71	32.23	23.36	14.02	130.81
Fast	1.00	0.60	50.20	39.90	14.08	30.12	26.07	7.71	117.88
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	1.90	0.50	159.80	48.83	11.72	79.90	26.69	26.74	193.88
Medium	1.45	0.55	139.80	47.49	13.71	76.89	34.53	20.72	193.34
Fast	1.00	0.60	119.80	39.90	14.08	71.88	39.02	11.54	176.42
<b>7 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	2.2	0.54	55.90	56.54	13.57	30.19	19.06	19.10	138.46
Medium	1.7	0.59	49.00	55.68	16.08	28.91	25.17	15.10	140.94
Fast	1.2	0.64	42.00	47.88	16.90	26.88	28.41	8.40	128.47
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	2.2	0.54	71.80	56.54	13.57	38.77	20.69	20.73	150.30
Medium	1.7	0.59	62.80	55.68	16.08	37.05	27.21	16.32	152.34
Fast	1.2	0.64	53.90	47.88	16.90	34.50	30.78	9.10	139.16
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	2.2	0.58	67.00	56.54	13.57	38.86	20.70	20.75	150.42
Medium	1.7	0.64	58.60	55.68	16.08	37.50	27.32	16.39	152.97
Fast	1.2	0.70	50.20	47.88	16.90	35.14	30.98	9.16	140.06
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	2.2	0.58	159.80	56.54	13.57	92.68	30.93	31.00	224.72
Medium	1.7	0.64	139.80	55.68	16.08	89.47	40.31	24.19	225.73
Fast	1.2	0.70	119.80	47.88	16.90	83.86	46.08	13.63	208.35

*General Painting Costs*

	Manhours per opening	Gallons per opening	Material cost per gallon	Labor cost per opening	Labor burden opening	Material cost per opening	Overhead per opening	Profit per opening	Total price per opening
<b>8 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	2.50	0.62	55.90	64.25	15.43	34.66	21.72	21.77	157.83
Medium	1.95	0.67	49.00	63.86	18.45	32.83	28.79	17.27	161.20
Fast	1.40	0.73	42.00	55.86	19.71	30.66	32.93	9.74	148.90
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	2.50	0.62	71.80	64.25	15.43	44.52	23.60	23.65	171.45
Medium	1.95	0.67	62.80	63.86	18.45	42.08	31.10	18.66	174.15
Fast	1.40	0.73	53.90	55.86	19.71	39.35	35.63	10.54	161.09
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	2.50	0.67	67.00	64.25	15.43	44.89	23.67	23.72	171.96
Medium	1.95	0.74	58.60	63.86	18.45	43.36	31.42	18.85	175.94
Fast	1.40	0.80	50.20	55.86	19.71	40.16	35.88	10.61	162.22
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	2.50	0.67	159.80	64.25	15.43	107.07	35.48	35.56	257.79
Medium	1.95	0.74	139.80	63.86	18.45	103.45	46.44	27.87	260.07
Fast	1.40	0.80	119.80	55.86	19.71	95.84	53.14	15.72	240.27
<b>9 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	2.80	0.69	55.90	71.96	17.28	38.57	24.28	24.33	176.42
Medium	2.15	0.75	49.00	70.41	20.34	36.75	31.88	19.13	178.51
Fast	1.50	0.81	42.00	59.85	21.12	34.02	35.65	10.55	161.19
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	2.80	0.69	71.80	71.96	17.28	49.54	26.37	26.42	191.57
Medium	2.15	0.75	62.80	70.41	20.34	47.10	34.47	20.68	193.00
Fast	1.50	0.81	53.90	59.85	21.12	43.66	38.64	11.43	174.70
Enamel, water base (material #9)									
Roll & brush 1 coat									
Slow	2.80	0.75	67.00	71.96	17.28	50.25	26.50	26.56	192.55
Medium	2.15	0.82	58.60	70.41	20.34	48.05	34.70	20.82	194.32
Fast	1.50	0.90	50.20	59.85	21.12	45.18	39.11	11.57	176.83

# National Painting Cost Estimator

	Manhours per opening	Gallons per opening	Material cost per gallon	Labor cost per opening	Labor burden opening	Material cost per opening	Overhead per opening	Profit per opening	Total price per opening
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	2.80	0.75	159.80	71.96	17.28	119.85	39.73	39.81	288.63
Medium	2.15	0.82	139.80	70.41	20.34	114.64	51.35	30.81	287.55
Fast	1.50	0.90	119.80	59.85	21.12	107.82	58.53	17.31	264.63
<b>10 openings total</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	3.1	0.77	55.90	79.67	19.13	43.04	26.95	27.00	195.79
Medium	2.4	0.84	49.00	78.60	22.70	41.16	35.62	21.37	199.45
Fast	1.7	0.90	42.00	67.83	23.94	37.80	40.17	11.88	181.62
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	3.1	0.77	71.80	79.67	19.13	55.29	29.28	29.34	212.71
Medium	2.4	0.84	62.80	78.60	22.70	52.75	38.52	23.11	215.68
Fast	1.7	0.90	53.90	67.83	23.94	48.51	43.49	12.86	196.63
Enamel, water base (material #9)									
Slow	3.1	0.83	67.00	79.67	19.13	55.61	29.34	29.40	213.15
Medium	2.4	0.92	58.60	78.60	22.70	53.91	38.81	23.28	217.30
Fast	1.7	1.00	50.20	67.83	23.94	50.20	44.01	13.02	199.00
Enamel, oil base (material #10)									
Roll & brush 1 coat									
Slow	3.1	0.83	159.80	79.67	19.13	132.63	43.97	44.06	319.46
Medium	2.4	0.92	139.80	78.60	22.70	128.62	57.49	34.49	321.90
Fast	1.7	1.00	119.80	67.83	23.94	119.80	65.59	19.40	296.56

Use these figures for painting interior doors, pullmans, linens and other surfaces described in Figure 20 on page 102. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, interior, flush, paint grade, roll &amp; brush, based on per door method</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	0.40	13.0	55.90	10.28	2.47	4.30	3.24	3.25	23.54
Medium	0.30	11.5	49.00	9.83	2.83	4.26	4.23	2.54	23.69
Fast	0.20	10.0	42.00	7.98	2.82	4.20	4.65	1.38	21.03
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	0.40	13.0	71.80	10.28	2.47	5.52	3.47	3.48	25.22
Medium	0.30	11.5	62.80	9.83	2.83	5.46	4.53	2.72	25.37
Fast	0.20	10.0	53.90	7.98	2.82	5.39	5.02	1.48	22.69
Enamel, water base (material #9)									
Roll & brush 1st finish coat									
Slow	0.33	14.0	67.00	8.48	2.04	4.79	2.91	2.92	21.14
Medium	0.25	12.5	58.60	8.19	2.36	4.69	3.81	2.29	21.34
Fast	0.17	11.0	50.20	6.78	2.40	4.56	4.26	1.26	19.26
Roll & brush additional finish coats									
Slow	0.25	15.0	67.00	6.43	1.54	4.47	2.36	2.37	17.17
Medium	0.20	13.5	58.60	6.55	1.89	4.34	3.20	1.92	17.90
Fast	0.15	12.0	50.20	5.99	2.11	4.18	3.81	1.13	17.22
Enamel, oil base (material #10)									
Roll & brush 1st finish coat									
Slow	0.33	14.0	159.80	8.48	2.04	11.41	4.17	4.18	30.28
Medium	0.25	12.5	139.80	8.19	2.36	11.18	5.44	3.26	30.43
Fast	0.17	11.0	119.80	6.78	2.40	10.89	6.22	1.84	28.13
Roll & brush additional finish coats									
Slow	0.25	15.0	159.80	6.43	1.54	10.65	3.54	3.55	25.71
Medium	0.20	13.5	139.80	6.55	1.89	10.36	4.70	2.82	26.32
Fast	0.15	12.0	119.80	5.99	2.11	9.98	5.60	1.66	25.34

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, interior, flush, paint grade, spray application, based on per door method</b>									
Undercoat, water base (material #3)									
Spray 1 coat									
Slow	0.10	17	55.90	2.57	.62	3.29	1.23	1.23	8.94
Medium	0.09	16	49.00	2.95	.85	3.06	1.72	1.03	9.61
Fast	0.08	15	42.00	3.19	1.13	2.80	2.21	.65	9.98
Undercoat, oil base (material #4)									
Spray 1 coat									
Slow	0.10	17	71.80	2.57	.62	4.22	1.41	1.41	10.23
Medium	0.09	16	62.80	2.95	.85	3.93	1.93	1.16	10.82
Fast	0.08	15	53.90	3.19	1.13	3.59	2.45	.73	11.09
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	0.09	18	67.00	2.31	.56	3.72	1.25	1.25	9.09
Medium	0.08	17	58.60	2.62	.76	3.45	1.71	1.02	9.56
Fast	0.07	16	50.20	2.79	.99	3.14	2.14	.63	9.69
Spray 2nd or additional finish coats									
Slow	0.08	19	67.00	2.06	.49	3.53	1.16	1.16	8.40
Medium	0.07	18	58.60	2.29	.66	3.26	1.55	.93	8.69
Fast	0.06	17	50.20	2.39	.85	2.95	1.92	.57	8.68
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	0.09	18	159.80	2.31	.56	8.88	2.23	2.24	16.22
Medium	0.08	17	139.80	2.62	.76	8.22	2.90	1.74	16.24
Fast	0.07	16	119.80	2.79	.99	7.49	3.49	1.03	15.79
Spray 2nd or additional finish coats									
Slow	0.08	19	159.80	2.06	.49	8.41	2.08	2.09	15.13
Medium	0.07	18	139.80	2.29	.66	7.77	2.68	1.61	15.01
Fast	0.06	17	119.80	2.39	.85	7.05	3.19	.94	14.42

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
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### Doors, interior, flush, stain grade, spray application, based on per door method

Complete 7 step stain, seal & 2 coat lacquer system (material #11)

Spray all coats

Slow	0.90	6	83.50	23.13	5.55	13.92	8.09	8.11	58.80
Medium	0.80	5	73.00	26.20	7.57	14.60	12.09	7.26	67.72
Fast	0.70	4	62.60	27.93	9.86	15.65	16.57	4.90	74.91

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
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### Doors, interior, French, paint grade, roll & brush, based on per door method

Undercoat, water base (material #3)

Roll & brush 1 coat

Slow	0.45	14	55.90	11.57	2.77	3.99	3.48	3.49	25.30
Medium	0.38	13	49.00	12.45	3.59	3.77	4.96	2.97	27.74
Fast	0.30	12	42.00	11.97	4.22	3.50	6.11	1.81	27.61

Undercoat, oil base (material #4)

Roll & brush 1 coat

Slow	0.45	14	71.80	11.57	2.77	5.13	3.70	3.71	26.88
Medium	0.38	13	62.80	12.45	3.59	4.83	5.22	3.13	29.22
Fast	0.30	12	53.90	11.97	4.22	4.49	6.41	1.90	28.99

Enamel, water base (material #9)

Roll & brush 1st finish coat

Slow	0.43	15	67.00	11.05	2.65	4.47	3.45	3.46	25.08
Medium	0.35	14	58.60	11.46	3.31	4.19	4.74	2.84	26.54
Fast	0.28	13	50.20	11.17	3.94	3.86	5.88	1.74	26.59

Roll & brush 2nd or additional finish coats

Slow	0.40	16	67.00	10.28	2.47	4.19	3.22	3.23	23.39
Medium	0.33	15	58.60	10.81	3.12	3.91	4.46	2.68	24.98
Fast	0.25	14	50.20	9.98	3.52	3.59	5.30	1.57	23.96

## National Painting Cost Estimator

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
Enamel, oil base (material #10)									
Roll & brush 1st finish coat									
Slow	0.43	15	159.80	11.05	2.65	10.65	4.63	4.64	33.62
Medium	0.35	14	139.80	11.46	3.31	9.99	6.19	3.71	34.66
Fast	0.28	13	119.80	11.17	3.94	9.22	7.54	2.23	34.10
Roll & brush 2nd or additional finish coats									
Slow	0.40	16	159.80	10.28	2.47	9.99	4.32	4.33	31.39
Medium	0.33	15	139.80	10.81	3.12	9.32	5.81	3.49	32.55
Fast	0.25	14	119.80	9.98	3.52	8.56	6.84	2.02	30.92

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, interior, French, stain grade, spray application, based on per door method</b>									
Complete 7 step stain, seal & 2 coat lacquer system (material #11)									
Spray all coats									
Slow	1.50	12	83.50	38.55	9.26	6.96	10.40	10.43	75.60
Medium	1.25	11	73.00	40.94	11.82	6.64	14.85	8.91	83.16
Fast	1.00	10	62.60	39.90	14.08	6.26	18.67	5.52	84.43

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, interior, louvered, paint grade, roll &amp; brush, based on per door method</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	0.67	8	55.90	17.22	4.13	6.99	5.38	5.40	39.12
Medium	0.54	7	49.00	17.69	5.10	7.00	7.45	4.47	41.71
Fast	0.40	6	42.00	15.96	5.63	7.00	8.86	2.62	40.07
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	0.67	8	71.80	17.22	4.13	8.98	5.76	5.77	41.86
Medium	0.54	7	62.80	17.69	5.10	8.97	7.94	4.77	44.47
Fast	0.40	6	53.90	15.96	5.63	8.98	9.48	2.80	42.85
Enamel, water base (material #9)									
Roll & brush 1st finish coat									
Slow	0.50	9	67.00	12.85	3.09	7.44	4.44	4.45	32.27
Medium	0.42	8	58.60	13.76	3.97	7.33	6.27	3.76	35.09
Fast	0.33	7	50.20	13.17	4.64	7.17	7.75	2.29	35.02
Roll & brush 2nd or additional finish coats									
Slow	0.40	10	67.00	10.28	2.47	6.70	3.70	3.70	26.85
Medium	0.30	9	58.60	9.83	2.83	6.51	4.80	2.88	26.85
Fast	0.20	8	50.20	7.98	2.82	6.28	5.29	1.57	23.94
Enamel, oil base (material #10)									
Roll & brush 1st finish coat									
Slow	0.50	9	159.80	12.85	3.09	17.76	6.40	6.41	46.51
Medium	0.42	8	139.80	13.76	3.97	17.48	8.81	5.28	49.30
Fast	0.33	7	119.80	13.17	4.64	17.11	10.83	3.20	48.95
Roll & brush 2nd or additional finish coats									
Slow	0.40	10	159.80	10.28	2.47	15.98	5.46	5.47	39.66
Medium	0.30	9	139.80	9.83	2.83	15.53	7.05	4.23	39.47
Fast	0.20	8	119.80	7.98	2.82	14.98	7.99	2.36	36.13

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, interior, louvered, paint grade, spray application, based on per door method</b>									
Undercoat, water base (material #3)									
Spray 1 coat									
Slow	0.17	12	55.90	4.37	1.05	4.66	1.92	1.92	13.92
Medium	0.14	11	49.00	4.59	1.32	4.45	2.59	1.56	14.51
Fast	0.12	10	42.00	4.79	1.69	4.20	3.31	.98	14.97
Undercoat, oil base (material #4)									
Spray 1 coat									
Slow	0.17	12	71.80	4.37	1.05	5.98	2.17	2.17	15.74
Medium	0.14	11	62.80	4.59	1.32	5.71	2.91	1.74	16.27
Fast	0.12	10	53.90	4.79	1.69	5.39	3.68	1.09	16.64
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	0.13	13	67.00	3.34	.80	5.15	1.77	1.77	12.83
Medium	0.11	12	58.60	3.60	1.04	4.88	2.38	1.43	13.33
Fast	0.09	11	50.20	3.59	1.27	4.56	2.92	.86	13.20
Spray 2nd or additional finish coats									
Slow	0.10	14	67.00	2.57	.62	4.79	1.52	1.52	11.02
Medium	0.09	13	58.60	2.95	.85	4.51	2.08	1.25	11.64
Fast	0.08	12	50.20	3.19	1.13	4.18	2.64	.78	11.92
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	0.13	13	159.80	3.34	.80	12.29	3.12	3.13	22.68
Medium	0.11	12	139.80	3.60	1.04	11.65	4.07	2.44	22.80
Fast	0.09	11	119.80	3.59	1.27	10.89	4.88	1.44	22.07
Spray 2nd or additional finish coats									
Slow	0.10	14	159.80	2.57	.62	11.41	2.77	2.78	20.15
Medium	0.09	13	139.80	2.95	.85	10.75	3.64	2.18	20.37
Fast	0.08	12	119.80	3.19	1.13	9.98	4.43	1.31	20.04

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, interior, louvered, stain grade, spray application, based on per door method</b>									
Complete 7 step stain, seal & 2 coat lacquer system (material #11)									
Spray all coats									
Slow	1.70	5	83.50	43.69	10.49	16.70	13.47	13.50	97.85
Medium	1.45	4	73.00	47.49	13.71	18.25	19.87	11.92	111.24
Fast	1.20	3	62.60	47.88	16.90	20.87	26.55	7.85	120.05

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, interior, panel, paint grade, roll &amp; brush, based on per door method</b>									
Undercoat, water base (material #3)									
Roll & brush 1 coat									
Slow	0.50	8	55.90	12.85	3.09	6.99	4.35	4.36	31.64
Medium	0.33	7	49.00	10.81	3.12	7.00	5.23	3.14	29.30
Fast	0.25	6	42.00	9.98	3.52	7.00	6.36	1.88	28.74
Undercoat, oil base (material #4)									
Roll & brush 1 coat									
Slow	0.50	8	71.80	12.85	3.09	8.98	4.73	4.74	34.39
Medium	0.33	7	62.80	10.81	3.12	8.97	5.73	3.44	32.07
Fast	0.25	6	53.90	9.98	3.52	8.98	6.97	2.06	31.51
Enamel, water base (material #9)									
Roll & brush 1st finish coat									
Slow	0.40	11	67.00	10.28	2.47	6.09	3.58	3.59	26.01
Medium	0.30	10	58.60	9.83	2.83	5.86	4.63	2.78	25.93
Fast	0.20	9	50.20	7.98	2.82	5.58	5.08	1.50	22.96
Roll & brush 2nd or additional finish coats									
Slow	0.33	12	67.00	8.48	2.04	5.58	3.06	3.07	22.23
Medium	0.25	11	58.60	8.19	2.36	5.33	3.97	2.38	22.23
Fast	0.17	10	50.20	6.78	2.40	5.02	4.40	1.30	19.90
Enamel, oil base (material #10)									
Roll & brush 1st finish coat									
Slow	0.40	11	159.80	10.28	2.47	14.53	5.18	5.19	37.65
Medium	0.30	10	139.80	9.83	2.83	13.98	6.66	4.00	37.30
Fast	0.20	9	119.80	7.98	2.82	13.31	7.47	2.21	33.79
Roll & brush 2nd or additional finish coats									
Slow	0.33	12	159.80	8.48	2.04	13.32	4.53	4.54	32.91
Medium	0.25	11	139.80	8.19	2.36	12.71	5.82	3.49	32.57
Fast	0.17	10	119.80	6.78	2.40	11.98	6.56	1.94	29.66

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Doors, interior, panel, paint grade, spray application, based on per door method</b>									
Undercoat, water base (material #3)									
Spray 1 coat									
Slow	0.13	15	55.90	3.34	.80	3.73	1.50	1.50	10.87
Medium	0.11	14	49.00	3.60	1.04	3.50	2.04	1.22	11.40
Fast	0.10	13	42.00	3.99	1.41	3.23	2.68	.79	12.10
Undercoat, oil base (material #4)									
Spray 1 coat									
Slow	0.13	15	71.80	3.34	.80	4.79	1.70	1.70	12.33
Medium	0.11	14	62.80	3.60	1.04	4.49	2.28	1.37	12.78
Fast	0.10	13	53.90	3.99	1.41	4.15	2.96	.88	13.39
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	0.09	16	67.00	2.31	.56	4.19	1.34	1.34	9.74
Medium	0.08	15	58.60	2.62	.76	3.91	1.82	1.09	10.20
Fast	0.08	14	50.20	3.19	1.13	3.59	2.45	.73	11.09
Spray 2nd or additional finish coats									
Slow	0.08	17	67.00	2.06	.49	3.94	1.23	1.24	8.96
Medium	0.08	16	58.60	2.62	.76	3.66	1.76	1.06	9.86
Fast	0.07	15	50.20	2.79	.99	3.35	2.21	.65	9.99
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	0.09	16	159.80	2.31	.56	9.99	2.44	2.45	17.75
Medium	0.08	15	139.80	2.62	.76	9.32	3.18	1.91	17.79
Fast	0.08	14	119.80	3.19	1.13	8.56	3.99	1.18	18.05
Spray 2nd or additional finish coats									
Slow	0.08	17	159.80	2.06	.49	9.40	2.27	2.28	16.50
Medium	0.08	16	139.80	2.62	.76	8.74	3.03	1.82	16.97
Fast	0.07	15	119.80	2.79	.99	7.99	3.65	1.08	16.50

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per door	Doors per gallon	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
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**Doors, interior, panel, stain grade, spray application, based on per door method**

Complete 7 step stain, seal &amp; 2 coat lacquer system (material #11)

Spray all coats

Slow	1.25	6	83.50	32.13	7.71	13.92	10.21	10.24	74.21
Medium	1.08	5	73.00	35.37	10.22	14.60	15.05	9.03	84.27
Fast	0.90	4	62.60	35.91	12.67	15.65	19.91	5.89	90.03

This table is not to be confused with the Opening Count Method for estimating doors. Use these figures for painting both interior and exterior doors. These costs are in addition to the costs for applying the finish coats to exterior doors as explained on page 97. These figures include coating all six (6) sides of each door along with the frame and the jamb on both sides. These figures include minimal preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (mask walls and visqueen floors); putty, caulking, sanding and cleanup. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 4", brush one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Brush each coat

Slow	80	170	74.30	32.13	7.71	43.71	15.87	15.91	115.33
Medium	105	160	65.00	31.19	8.99	40.63	20.21	12.12	113.14
Fast	130	150	55.75	30.69	10.82	37.17	24.39	7.22	110.29

Semi-transparent stain, water or oil base (material #20 or #21)

Brush each coat

Slow	95	195	66.90	27.05	6.51	34.31	12.89	12.92	93.68
Medium	120	185	58.55	27.29	7.87	31.65	16.71	10.02	93.54
Fast	145	175	50.20	27.52	9.73	28.69	20.44	6.05	92.43

Use these figures for brushing stain on 2" x 4" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation time. ADD for additional preparation time, as needed, including setup, remove & replace (hardware), protection (masking and visqueen); putty, caulking, sanding and cleanup. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 4", roll one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Roll each coat

Slow	180	140	74.30	14.28	3.44	53.07	13.45	13.48	97.72
Medium	205	130	65.00	15.98	4.62	50.00	17.65	10.59	98.84
Fast	230	120	55.75	17.35	6.13	46.46	21.68	6.41	98.03

Semi-transparent stain, water or oil base (material #20 or #21)

Roll each coat

Slow	200	160	66.90	12.85	3.09	41.81	10.97	10.99	79.71
Medium	225	150	58.55	14.56	4.18	39.03	14.45	8.67	80.89
Fast	250	140	50.20	15.96	5.63	35.86	17.81	5.27	80.53

Use these figures for rolling stain on 2" x 4" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation time. ADD time for extensive preparation. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 4", spray one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Spray each coat

Slow	275	110	74.30	9.35	2.25	67.55	15.04	15.07	109.26
Medium	325	100	65.00	10.08	2.92	65.00	19.50	11.70	109.20
Fast	375	90	55.75	10.64	3.77	61.94	23.67	7.00	107.02

Semi-transparent stain, water or oil base (material #20 or #21)

Spray each coat

Slow	300	125	66.90	8.57	2.04	53.52	12.19	12.21	88.53
Medium	350	115	58.55	9.36	2.71	50.91	15.75	9.45	88.18
Fast	400	105	50.20	9.98	3.52	47.81	19.01	5.62	85.94

Use these figures for rolling stain on 2" x 4" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation time. ADD time for extensive preparation. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 6" to 2" x 10", brush one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Brush each coat

Slow	70	140	74.30	36.71	8.83	53.07	18.73	18.77	136.11
Medium	90	130	65.00	36.39	10.51	50.00	24.23	14.54	135.67
Fast	110	120	55.75	36.27	12.80	46.46	29.61	8.76	133.90

Semi-transparent stain, water or oil base (material #20 or #21)

Brush each coat

Slow	85	165	66.90	30.24	7.24	40.55	14.83	14.86	107.72
Medium	105	155	58.55	31.19	8.99	37.77	19.49	11.70	109.14
Fast	125	145	50.20	31.92	11.26	34.62	24.12	7.14	109.06

Use these figures for brushing stain on 2" x 6" to 2" x 10" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation time. ADD time for extensive preparation. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 6" to 2" x 10", roll one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Roll each coat

Slow	150	120	74.30	17.13	4.13	61.92	15.80	15.83	114.81
Medium	175	110	65.00	18.71	5.39	59.09	20.80	12.48	116.47
Fast	200	100	55.75	19.95	7.04	55.75	25.65	7.59	115.98

Semi-transparent stain, water or oil base (material #20 or #21)

Roll each coat

Slow	170	140	66.90	15.12	3.62	47.79	12.64	12.67	91.84
Medium	195	130	58.55	16.79	4.86	45.04	16.67	10.00	93.36
Fast	220	120	50.20	18.14	6.42	41.83	20.57	6.09	93.05

Use these figures for rolling stain on 2" x 6" to 2" x 10" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation time. ADD time for extensive preparation. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 6" to 2" x 10", spray one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Spray each coat

Slow	225	90	74.30	11.42	2.73	82.56	18.38	18.42	133.51
Medium	300	80	65.00	10.92	3.14	81.25	23.83	14.30	133.44
Fast	350	70	55.75	11.40	4.04	79.64	29.47	8.72	133.27

Semi-transparent stain, water or oil base (material #20 or #21)

Spray each coat

Slow	250	105	66.90	10.28	2.47	63.71	14.53	14.56	105.55
Medium	313	95	58.55	10.46	3.00	61.63	18.78	11.27	105.14
Fast	375	85	50.20	10.64	3.77	59.06	22.77	6.74	102.98

Use these figures for spraying stain on 2" x 6" to 2" x 10" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation. ADD time for extensive preparation. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 12", brush one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Brush each coat

Slow	60	100	74.30	42.83	10.30	74.30	24.21	24.26	175.90
Medium	80	90	65.00	40.94	11.82	72.22	31.25	18.75	174.98
Fast	100	80	55.75	39.90	14.08	69.69	38.34	11.34	173.35

Semi-transparent stain, water or oil base (material #20 or #21)

Brush each coat

Slow	75	125	66.90	34.27	8.21	53.52	18.24	18.28	132.52
Medium	95	115	58.55	34.47	9.98	50.91	23.84	14.30	133.50
Fast	105	105	50.20	38.00	13.39	47.81	30.76	9.10	139.06

Use these figures for brushing stain on 2" x 12" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation. ADD time for extensive preparation. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 12", roll one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Roll each coat

Slow	110	90	74.30	23.36	5.61	82.56	21.19	21.24	153.96
Medium	130	75	65.00	25.19	7.27	86.67	29.79	17.87	166.79
Fast	150	60	55.75	26.60	9.40	92.92	39.96	11.82	180.70

Semi-transparent stain, water or oil base (material #20 or #21)

Roll each coat

Slow	130	110	66.90	19.77	4.74	60.82	16.21	16.25	117.79
Medium	150	95	58.55	21.83	6.32	61.63	22.44	13.47	125.69
Fast	170	80	50.20	23.47	8.27	62.75	29.30	8.67	132.46

Use these figures for rolling stain on 2" x 12" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation. ADD time for extensive preparation. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fascia, 2" x 12", spray one coat stain "to cover"**

Solid body stain, water or oil base (material #18 or #19)

Spray each coat

Slow	200	60	74.30	12.85	3.09	123.83	26.55	26.61	192.93
Medium	263	50	65.00	12.45	3.59	130.00	36.51	21.91	204.46
Fast	325	40	55.75	12.28	4.35	139.38	48.36	14.30	218.67

Semi-transparent stain, water or oil base (material #20 or #21)

Spray each coat

Slow	225	75	66.90	11.42	2.73	89.20	19.64	19.68	142.67
Medium	288	65	58.55	11.37	3.28	90.08	26.19	15.71	146.63
Fast	350	55	50.20	11.40	4.04	91.27	33.07	9.78	149.56

Use these figures for spraying stain on 2" x 12" fascia board on two sides - the face and the lower edge. The back side is calculated with the overhang (eaves) operation. These figures include one full coat and any touchup required to meet the "to cover" specification. They also include minimum preparation. ADD time for extensive preparation. Measurements are based on continuous linear feet. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Fence, chain link or wire mesh</b>									
Solid body stain, water or oil base (material #18 or #19)									
Brush 1st coat									
Slow	90	600	74.30	28.56	6.85	12.38	9.08	9.10	65.97
Medium	110	550	65.00	29.77	8.60	11.82	12.55	7.53	70.27
Fast	125	500	55.75	31.92	11.26	11.15	16.85	4.98	76.16
Brush 2nd coat									
Slow	130	650	74.30	19.77	4.74	11.43	6.83	6.84	49.61
Medium	145	600	65.00	22.59	6.53	10.83	9.99	5.99	55.93
Fast	160	550	55.75	24.94	8.80	10.14	13.60	4.02	61.50
Roll 1st coat									
Slow	260	575	74.30	9.88	2.39	12.92	4.78	4.79	34.76
Medium	275	525	65.00	11.91	3.45	12.38	6.93	4.16	38.83
Fast	290	475	55.75	13.76	4.86	11.74	9.41	2.78	42.55
Roll 2nd coat									
Slow	280	625	74.30	9.18	2.20	11.89	4.42	4.43	32.12
Medium	300	575	65.00	10.92	3.14	11.30	6.35	3.81	35.52
Fast	320	525	55.75	12.47	4.43	10.62	8.52	2.52	38.56

Use these figures for chain link or wire mesh fencing. The figures are based on painting both sides to meet the "to cover" specification. These figures include minimum preparation time. ADD time for extensive preparation. To calculate the area, base measurements on the square feet (length times width) of one side of the fence then multiply by a difficulty factor of 3 and use the figures in the above table. For example, if the fence is 100' long x 3' high, the area is 300 SF. Multiply 300 SF x 3 to arrive at 900 SF which is the total to be used with this table. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

### **Fence, wood**

For *solid plank fence*, measure the surface area of one side and multiply by 2 to find the area for both sides. Then use the cost table for Siding, exterior. For good neighbor fence (planks on alternate sides of the rail), measure the surface area of one side and multiply by 2 to find the area for both sides. Then multiply by a difficulty factor of 1.5 and use the pricing table for Siding, exterior.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Fence, picket, brush application</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Brush 1st coat									
Slow	75	400	66.75	34.27	8.21	16.69	11.24	11.27	81.68
Medium	113	388	58.40	28.98	8.38	15.05	13.10	7.86	73.37
Fast	150	375	50.10	26.60	9.40	13.36	15.30	4.53	69.19
Brush 2nd or additional coats									
Slow	120	450	66.75	21.42	5.13	14.83	7.86	7.88	57.12
Medium	145	438	58.40	22.59	6.53	13.33	10.61	6.37	59.43
Fast	170	425	50.10	23.47	8.27	11.79	13.50	3.99	61.02
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Brush 1st coat									
Slow	75	450	74.45	34.27	8.21	16.54	11.22	11.24	81.48
Medium	113	438	65.15	28.98	8.38	14.87	13.06	7.83	73.12
Fast	150	425	55.85	26.60	9.40	13.14	15.23	4.51	68.88
Brush 2nd or additional coats									
Slow	120	500	74.45	21.42	5.13	14.89	7.88	7.89	57.21
Medium	145	488	65.15	22.59	6.53	13.35	10.62	6.37	59.46
Fast	170	475	55.85	23.47	8.27	11.76	13.49	3.99	60.98

For picket fence, measure the overall area of one side and multiply by 4 for painting both sides. Then apply these cost figures. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Fence, picket, roll application</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Roll 1st coat									
Slow	120	360	66.75	21.42	5.13	18.54	8.57	8.59	62.25
Medium	145	343	58.40	22.59	6.53	17.03	11.54	6.92	64.61
Fast	170	325	50.10	23.47	8.27	15.42	14.62	4.33	66.11
Roll 2nd or additional coats									
Slow	200	400	66.75	12.85	3.09	16.69	6.20	6.21	45.04
Medium	225	388	58.40	14.56	4.18	15.05	8.46	5.07	47.32
Fast	250	375	50.10	15.96	5.63	13.36	10.83	3.20	48.98
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Roll 1st coat									
Slow	120	400	74.45	21.42	5.13	18.61	8.58	8.60	62.34
Medium	145	388	65.15	22.59	6.53	16.79	11.48	6.89	64.28
Fast	170	375	55.85	23.47	8.27	14.89	14.46	4.28	65.37
Roll 2nd or additional coats									
Slow	200	450	74.45	12.85	3.09	16.54	6.17	6.18	44.83
Medium	225	438	65.15	14.56	4.18	14.87	8.41	5.05	47.07
Fast	250	425	55.85	15.96	5.63	13.14	10.77	3.19	48.69

For picket fence, measure the overall area of one side and multiply by 4 for painting both sides. Then apply these cost figures. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Fence, picket, spray application</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Spray 1st coat									
Slow	400	300	66.75	6.43	1.54	22.25	5.74	5.75	41.71
Medium	500	275	58.40	6.55	1.89	21.24	7.42	4.45	41.55
Fast	600	250	50.10	6.65	2.36	20.04	9.00	2.66	40.71
Spray 2nd or additional coats									
Slow	500	350	66.75	5.14	1.23	19.07	4.83	4.84	35.11
Medium	600	325	58.40	5.46	1.59	17.97	6.25	3.75	35.02
Fast	700	300	50.10	5.70	2.02	16.70	7.57	2.24	34.23
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Spray 1st coat									
Slow	400	350	74.45	6.43	1.54	21.27	5.56	5.57	40.37
Medium	500	325	65.15	6.55	1.89	20.05	7.12	4.27	39.88
Fast	600	300	55.85	6.65	2.36	18.62	8.56	2.53	38.72
Spray 2nd or additional coats									
Slow	500	425	74.45	5.14	1.23	17.52	4.54	4.55	32.98
Medium	600	400	65.15	5.46	1.59	16.29	5.83	3.50	32.67
Fast	700	375	55.85	5.70	2.02	14.89	7.01	2.07	31.69

For picket fence, measure the overall area of one side and multiply by 4 for painting both sides. Then apply these cost figures. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Fireplace masonry, interior, smooth surface masonry</b>									
Masonry paint, water base (material #31)									
Brush each coat									
Slow	70	140	65.10	36.71	8.83	46.50	17.48	17.52	127.04
Medium	75	130	57.00	43.67	12.60	43.85	25.04	15.02	140.18
Fast	80	120	48.80	49.88	17.60	40.67	33.53	9.92	151.60
Masonry paint, oil base (material #32)									
Brush each coat									
Slow	70	165	86.10	36.71	8.83	52.18	18.56	18.60	134.88
Medium	75	155	75.40	43.67	12.60	48.65	26.24	15.74	146.90
Fast	80	145	64.60	49.88	17.60	44.55	34.73	10.27	157.03
Masonry paint, water base (material #31)									
Roll each coat									
Slow	140	120	65.10	18.36	4.40	54.25	14.63	14.66	106.30
Medium	150	110	57.00	21.83	6.32	51.82	19.99	11.99	111.95
Fast	160	100	48.80	24.94	8.80	48.80	25.59	7.57	115.70
Masonry paint, oil base (material #32)									
Roll each coat									
Slow	140	140	86.10	18.36	4.40	61.50	16.01	16.04	116.31
Medium	150	130	75.40	21.83	6.32	58.00	21.54	12.92	120.61
Fast	160	120	64.60	24.94	8.80	53.83	27.15	8.03	122.75
Masonry paint, water base (material #31)									
Spray each coat									
Slow	400	105	65.10	6.43	1.54	62.00	13.29	13.32	96.58
Medium	450	100	57.00	7.28	2.09	57.00	16.60	9.96	92.93
Fast	500	90	48.80	7.98	2.82	54.22	20.16	5.96	91.14
Masonry paint, oil base (material #32)									
Spray each coat									
Slow	400	125	86.10	6.43	1.54	68.88	14.60	14.63	106.08
Medium	450	120	75.40	7.28	2.09	62.83	18.05	10.83	101.08
Fast	500	110	64.60	7.98	2.82	58.73	21.55	6.38	97.46

Measurements are based on square feet of the surface area (length times width) to be painted. For fireplace exteriors, use the Masonry cost table which applies. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Fireplace trim, wood, roll & brush each coat**

Mantel, rough sawn 4' x 12"

Solid body or semi-transparent stain, water or oil base (Material #18 or #19 or #20 or #21)

Roll &amp; brush each coat

Slow	15	50	70.60	171.33	41.15	141.20	67.19	67.33	488.20
Medium	18	45	61.78	181.94	52.58	137.29	92.95	55.77	520.53
Fast	20	40	52.98	199.50	70.40	132.45	124.73	36.90	563.98

Plant-on trim, interior

Solid body or semi-transparent stain, water or oil base (Material #18 or #19 or #20 or #21)

Roll &amp; brush each coat

Slow	75	135	70.60	34.27	8.21	52.30	18.01	18.05	130.84
Medium	80	130	61.78	40.94	11.82	47.52	25.07	15.04	140.39
Fast	85	125	52.98	46.94	16.54	42.38	32.83	9.71	148.40

Siding, interior, tongue &amp; groove

Solid body or semi-transparent stain, water or oil base (Material #18 or #19 or #20 or #21)

Roll &amp; brush each coat

Slow	50	100	70.60	51.40	12.34	70.60	25.52	25.58	185.44
Medium	75	95	61.78	43.67	12.60	65.03	30.33	18.20	169.83
Fast	100	90	52.98	39.90	14.08	58.87	34.98	10.35	158.18

"Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per box	Material coverage gallons/box	Material cost per gallon	Labor cost per box	Labor burden box	Material cost per box	Overhead per box	Profit per box	Total price per box
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**Firewood boxes, wood, brush each coat**

Boxes of rough sawn wood, 3'0" x 3'0" x 3'0" deep

Solid body or semi-transparent stain, water or oil base (Material #18 or #19 or #20 or #21)

Roll &amp; brush each coat

Slow	0.40	0.20	70.60	10.28	2.47	14.12	5.11	5.12	37.10
Medium	0.35	0.23	61.78	11.46	3.31	14.21	7.25	4.35	40.58
Fast	0.30	0.25	52.98	11.97	4.22	13.25	9.13	2.70	41.27

"Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Floors, concrete, brush, interior or exterior</b>									
Masonry (concrete) paint, water base (material #31)									
Brush 1st coat									
Slow	90	250	65.10	28.56	6.85	26.04	11.68	11.70	84.83
Medium	145	238	57.00	22.59	6.53	23.95	13.27	7.96	74.30
Fast	200	225	48.80	19.95	7.04	21.69	15.09	4.46	68.23
Brush 2nd coat									
Slow	125	375	65.10	20.56	4.94	17.36	8.14	8.16	59.16
Medium	200	325	57.00	16.38	4.73	17.54	9.66	5.80	54.11
Fast	275	275	48.80	14.51	5.14	17.75	11.59	3.43	52.42
Brush 3rd or additional coats									
Slow	150	335	65.10	17.13	4.13	19.43	7.73	7.74	56.16
Medium	225	310	57.00	14.56	4.18	18.39	9.29	5.57	51.99
Fast	300	285	48.80	13.30	4.68	17.12	10.88	3.22	49.20
Masonry (concrete) paint, oil base (material #32)									
Brush 1st coat									
Slow	90	300	86.10	28.56	6.85	28.70	12.18	12.21	88.50
Medium	145	288	75.40	22.59	6.53	26.18	13.83	8.30	77.43
Fast	200	275	64.60	19.95	7.04	23.49	15.65	4.63	70.76
Brush 2nd coat									
Slow	125	400	86.10	20.56	4.94	21.53	8.93	8.95	64.91
Medium	200	388	75.40	16.38	4.73	19.43	10.14	6.08	56.76
Fast	275	375	64.60	14.51	5.14	17.23	11.43	3.38	51.69
Brush 3rd or additional coats									
Slow	150	550	86.10	17.13	4.13	15.65	7.01	7.02	50.94
Medium	225	525	75.40	14.56	4.18	14.36	8.28	4.97	46.35
Fast	300	500	64.60	13.30	4.68	12.92	9.58	2.83	43.31
Epoxy, 1 part, water base (material #28)									
Brush each coat									
Slow	125	400	115.10	20.56	4.94	28.78	10.31	10.33	74.92
Medium	163	388	100.70	20.09	5.78	25.95	12.96	7.78	72.56
Fast	200	375	86.30	19.95	7.04	23.01	15.50	4.59	70.09
Epoxy, 2 part system (material #29)									
Brush each coat									
Slow	100	400	196.20	25.70	6.17	49.05	15.37	15.41	111.70
Medium	138	388	171.70	23.73	6.87	44.25	18.71	11.23	104.79
Fast	175	375	147.10	22.80	8.02	39.23	21.72	6.43	98.20

Also use these formulas for concrete steps, stair treads, porches and patios. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Floors, concrete, roll, interior or exterior</b>									
Masonry (concrete) paint, water base (material #31)									
Roll 1st coat									
Slow	135	275	65.10	19.04	4.58	23.67	8.98	9.00	65.27
Medium	218	263	57.00	15.02	4.35	21.67	10.26	6.15	57.45
Fast	300	250	48.80	13.30	4.68	19.52	11.63	3.44	52.57
Roll 2nd coat									
Slow	195	350	65.10	13.18	3.17	18.60	6.64	6.65	48.24
Medium	268	325	57.00	12.22	3.52	17.54	8.32	4.99	46.59
Fast	340	300	48.80	11.74	4.13	16.27	9.97	2.95	45.06
Roll 3rd or additional coats									
Slow	210	375	65.10	12.24	2.93	17.36	6.18	6.20	44.91
Medium	300	350	57.00	10.92	3.14	16.29	7.59	4.56	42.50
Fast	390	325	48.80	10.23	3.59	15.02	8.95	2.65	40.44
Masonry (concrete) paint, oil base (material #32)									
Roll 1st coat									
Slow	135	370	86.10	19.04	4.58	23.27	8.91	8.93	64.73
Medium	218	345	75.40	15.02	4.35	21.86	10.31	6.18	57.72
Fast	300	320	64.60	13.30	4.68	20.19	11.84	3.50	53.51
Roll 2nd coat									
Slow	195	500	86.10	13.18	3.17	17.22	6.38	6.39	46.34
Medium	268	475	75.40	12.22	3.52	15.87	7.91	4.74	44.26
Fast	340	450	64.60	11.74	4.13	14.36	9.37	2.77	42.37
Roll 3rd or additional coats									
Slow	210	550	86.10	12.24	2.93	15.65	5.86	5.87	42.55
Medium	300	525	75.40	10.92	3.14	14.36	7.11	4.27	39.80
Fast	390	500	64.60	10.23	3.59	12.92	8.30	2.45	37.49
Epoxy, 1 part, water base (material #28)									
Roll each coat									
Slow	150	500	115.10	17.13	4.13	23.02	8.41	8.43	61.12
Medium	225	488	100.70	14.56	4.18	20.64	9.85	5.91	55.14
Fast	300	475	86.30	13.30	4.68	18.17	11.21	3.32	50.68
Epoxy, 2 part system (material #29)									
Roll each coat									
Slow	135	500	196.20	19.04	4.58	39.24	11.94	11.97	86.77
Medium	208	488	171.70	15.75	4.55	35.18	13.87	8.32	77.67
Fast	250	475	147.10	15.96	5.63	30.97	16.29	4.82	73.67

Also use these formulas for concrete steps, stair treads, porches and patios. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Floors, concrete, spray, interior or exterior</b>									
Masonry (concrete) paint, water base (material #31)									
Spray 1st coat									
Slow	800	175	65.10	3.21	.77	37.20	7.82	7.84	56.84
Medium	900	163	57.00	3.64	1.05	34.97	9.92	5.95	55.53
Fast	1000	150	48.80	3.99	1.41	32.53	11.76	3.48	53.17
Spray 2nd coat									
Slow	900	275	65.10	2.86	.68	23.67	5.17	5.18	37.56
Medium	1000	263	57.00	3.28	.94	21.67	6.48	3.89	36.26
Fast	1100	250	48.80	3.63	1.28	19.52	7.57	2.24	34.24
Spray 3rd or additional coats									
Slow	1000	325	65.10	2.57	.62	20.03	4.41	4.42	32.05
Medium	1100	313	57.00	2.98	.86	18.21	5.51	3.31	30.87
Fast	1200	300	48.80	3.33	1.15	16.27	6.44	1.91	29.10
Masonry (concrete) paint, oil base (material #32)									
Spray 1st coat									
Slow	800	200	86.10	3.21	.77	43.05	8.94	8.96	64.93
Medium	900	188	75.40	3.64	1.05	40.11	11.20	6.72	62.72
Fast	1000	175	64.60	3.99	1.41	36.91	13.12	3.88	59.31
Spray 2nd coat									
Slow	900	300	86.10	2.86	.68	28.70	6.13	6.14	44.51
Medium	1000	288	75.40	3.28	.94	26.18	7.60	4.56	42.56
Fast	1100	275	64.60	3.63	1.28	23.49	8.80	2.60	39.80
Spray 3rd or additional coats									
Slow	1000	350	86.10	2.57	.62	24.60	5.28	5.29	38.36
Medium	1100	338	75.40	2.98	.86	22.31	6.54	3.92	36.61
Fast	1200	325	64.60	3.33	1.15	19.88	7.56	2.24	34.16

Also use these formulas for concrete steps, stair treads, porches and patios. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Floors, concrete, penetrating stain, interior or exterior</b>									
Penetrating oil stain (material #13)									
Roll 1st coat									
Slow	225	450	125.00	11.42	2.73	27.78	7.97	7.99	57.89
Medium	250	425	109.40	13.10	3.78	25.74	10.66	6.39	59.67
Fast	275	400	93.80	14.51	5.14	23.45	13.35	3.95	60.40
Roll 2nd coat									
Slow	325	500	125.00	7.91	1.91	25.00	6.61	6.63	48.06
Medium	345	475	109.40	9.49	2.75	23.03	8.82	5.29	49.38
Fast	365	450	93.80	10.93	3.86	20.84	11.05	3.27	49.95
Roll 3rd and additional coats									
Slow	365	525	125.00	7.04	1.69	23.81	6.18	6.20	44.92
Medium	383	500	109.40	8.55	2.47	21.88	8.23	4.94	46.07
Fast	400	475	93.80	9.98	3.52	19.75	10.31	3.05	46.61

Also use these formulas for concrete steps, stair treads, porches and patios. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Floors, wood, interior or exterior, paint grade, brush application</b>									
Undercoat, water base (material #3)									
Brush prime coat									
Slow	275	450	55.90	9.35	2.25	12.42	4.56	4.57	33.15
Medium	300	425	49.00	10.92	3.14	11.53	6.40	3.84	35.83
Fast	325	400	42.00	12.28	4.35	10.50	8.40	2.49	38.02
Undercoat, oil base (material #4)									
Brush prime coat									
Slow	275	500	71.80	9.35	2.25	14.36	4.93	4.94	35.83
Medium	300	475	62.80	10.92	3.14	13.22	6.83	4.10	38.21
Fast	325	450	53.90	12.28	4.35	11.98	8.86	2.62	40.09
Porch & deck enamel, water base (material #26)									
Brush 1st and additional finish coats									
Slow	300	475	80.50	8.57	2.04	16.95	5.24	5.25	38.05
Medium	325	450	70.50	10.08	2.92	15.67	7.17	4.30	40.14
Fast	350	425	60.40	11.40	4.04	14.21	9.19	2.72	41.56
Porch & deck enamel, oil base (material #27)									
Brush 1st and additional finish coats									
Slow	300	550	88.20	8.57	2.04	16.04	5.07	5.08	36.80
Medium	325	525	77.20	10.08	2.92	14.70	6.92	4.15	38.77
Fast	350	500	66.10	11.40	4.04	13.22	8.88	2.63	40.17
Epoxy, 1 part, water base (material #28)									
Brush each coat									
Slow	125	450	115.10	20.56	4.94	25.58	9.70	9.72	70.50
Medium	163	425	100.70	20.09	5.78	23.69	12.40	7.44	69.40
Fast	200	400	86.30	19.95	7.04	21.58	15.06	4.45	68.08
Epoxy, 2 part system (material #29)									
Brush each coat									
Slow	100	425	196.20	25.70	6.17	46.16	14.83	14.86	107.72
Medium	138	400	171.70	23.73	6.87	42.93	18.38	11.03	102.94
Fast	175	375	147.10	22.80	8.02	39.23	21.72	6.43	98.20

"Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Floors, wood, interior or exterior, paint grade, roll application</b>									
Undercoat, water base (material #3)									
Roll prime coat									
Slow	400	425	55.90	6.43	1.54	13.15	4.01	4.02	29.15
Medium	438	400	49.00	7.48	2.14	12.25	5.47	3.28	30.62
Fast	475	375	42.00	8.40	2.99	11.20	7.00	2.07	31.66
Undercoat, oil base (material #4)									
Roll prime coat									
Slow	400	475	71.80	6.43	1.54	15.12	4.39	4.40	31.88
Medium	438	450	62.80	7.48	2.14	13.96	5.90	3.54	33.02
Fast	475	425	53.90	8.40	2.99	12.68	7.46	2.21	33.74
Porch & deck enamel, water base (material #26)									
Roll 1st or additional finish coats									
Slow	425	475	80.50	6.05	1.44	16.95	4.65	4.66	33.75
Medium	463	450	70.50	7.07	2.05	15.67	6.20	3.72	34.71
Fast	500	425	60.40	7.98	2.82	14.21	7.75	2.29	35.05
Porch & deck enamel, oil base (material #27)									
Roll 1st or additional finish coats									
Slow	425	525	88.20	6.05	1.44	16.80	4.62	4.63	33.54
Medium	463	500	77.20	7.07	2.05	15.44	6.14	3.68	34.38
Fast	500	475	66.10	7.98	2.82	13.92	7.66	2.27	34.65
Epoxy, 1 part, water base (material #28)									
Brush each coat									
Slow	200	425	115.10	12.85	3.09	27.08	8.17	8.19	59.38
Medium	250	400	100.70	13.10	3.78	25.18	10.52	6.31	58.89
Fast	300	375	86.30	13.30	4.68	23.01	12.71	3.76	57.46
Epoxy, 2 part system (material #29)									
Brush each coat									
Slow	175	400	196.20	14.69	3.51	49.05	12.78	12.81	92.84
Medium	225	375	171.70	14.56	4.18	45.79	16.14	9.68	90.35
Fast	275	350	147.10	14.51	5.14	42.03	19.11	5.65	86.44

"Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Floors, wood, interior or exterior, stain grade</b>									
Wiping stain, varnish, oil base (material #30a)									
Stain, brush 1st coat, wipe & fill									
Slow	225	500	84.90	11.42	2.73	16.98	5.92	5.93	42.98
Medium	250	475	74.30	13.10	3.78	15.64	8.13	4.88	45.53
Fast	275	450	63.70	14.51	5.14	14.16	10.47	3.10	47.38
Stain, brush 2nd coat, wipe & fill									
Slow	400	525	84.90	6.43	1.54	16.17	4.59	4.60	33.33
Medium	425	500	74.30	7.71	2.21	14.86	6.20	3.72	34.70
Fast	450	475	63.70	8.87	3.11	13.41	7.88	2.33	35.60
Stain, brush 3rd or additional coats, wipe & fill									
Slow	425	550	84.90	6.05	1.44	15.44	4.36	4.37	31.66
Medium	450	525	74.30	7.28	2.09	14.15	5.88	3.53	32.93
Fast	475	500	63.70	8.40	2.99	12.74	7.47	2.21	33.81
Sanding sealer, varnish (material #30b)									
Maple or pine, brush 1 coat									
Slow	375	475	95.60	6.85	1.66	20.13	5.44	5.45	39.53
Medium	400	450	83.70	8.19	2.36	18.60	7.29	4.37	40.81
Fast	425	425	71.70	9.39	3.30	16.87	9.17	2.71	41.44
Maple or pine, brush 2nd or additional coats									
Slow	425	550	95.60	6.05	1.44	17.38	4.73	4.74	34.34
Medium	450	525	83.70	7.28	2.09	15.94	6.33	3.80	35.44
Fast	475	500	71.70	8.40	2.99	14.34	7.97	2.36	36.06
Oak, brush 1 coat									
Slow	400	525	95.60	6.43	1.54	18.21	4.97	4.98	36.13
Medium	425	500	83.70	7.71	2.21	16.74	6.67	4.00	37.33
Fast	450	475	71.70	8.87	3.11	15.09	8.40	2.48	37.95
Oak, brush 2nd or additional coats									
Slow	500	625	95.60	5.14	1.23	15.30	4.12	4.13	29.92
Medium	525	600	83.70	6.24	1.78	13.95	5.50	3.30	30.77
Fast	550	575	71.70	7.25	2.57	12.47	6.91	2.04	31.24
Shellac, clear (material #12)									
Brush 1st coat									
Slow	275	475	115.80	9.35	2.25	24.38	6.83	6.85	49.66
Medium	300	450	101.40	10.92	3.14	22.53	9.15	5.49	51.23
Fast	325	425	86.90	12.28	4.35	20.45	11.49	3.40	51.97
Brush 2nd or additional coats									
Slow	400	500	115.80	6.43	1.54	23.16	5.91	5.93	42.97
Medium	425	475	101.40	7.71	2.21	21.35	7.82	4.69	43.78
Fast	450	450	86.90	8.87	3.11	19.31	9.71	2.87	43.87

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Varnish, gloss or flat (material #30c)									
Brush 1st coat									
Slow	275	475	112.40	9.35	2.25	23.66	6.70	6.71	48.67
Medium	300	450	98.30	10.92	3.14	21.84	8.98	5.39	50.27
Fast	325	425	84.30	12.28	4.35	19.84	11.30	3.34	51.11
Brush 2nd or additional coats									
Slow	350	600	112.40	7.34	1.77	18.73	5.29	5.30	38.43
Medium	375	575	98.30	8.73	2.54	17.10	7.09	4.25	39.71
Fast	400	550	84.30	9.98	3.52	15.33	8.94	2.64	40.41
Penetrating stain wax & wipe (material #14)									
Stain, brush 1st coat & wipe									
Slow	200	550	137.30	12.85	3.09	24.96	7.77	7.79	56.46
Medium	250	525	120.20	13.10	3.78	22.90	9.95	5.97	55.70
Fast	300	500	103.00	13.30	4.68	20.60	11.96	3.54	54.08
Stain, brush 2nd or additional coats & wipe									
Slow	250	600	137.30	10.28	2.47	22.88	6.77	6.78	49.18
Medium	300	575	120.20	10.92	3.14	20.90	8.75	5.25	48.96
Fast	350	550	103.00	11.40	4.04	18.73	10.59	3.13	47.89
Wax & polish (material #15)									
Hand apply 1 coat									
Slow	175	1000	29.30	14.69	3.51	2.93	4.02	4.03	29.18
Medium	200	950	25.70	16.38	4.73	2.71	5.96	3.57	33.35
Fast	225	900	22.00	17.73	6.24	2.44	8.19	2.42	37.02
Buffing with machine									
Slow	400	--	--	6.43	1.54	--	1.51	1.52	11.00
Medium	450	--	--	7.28	2.09	--	2.35	1.41	13.13
Fast	500	--	--	7.98	2.82	--	3.35	.99	15.14

"Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Manhours per door	Gallons per Door	Material cost per gallon	Labor cost per door	Labor burden door	Material cost per door	Overhead per door	Profit per door	Total price per door
<b>Garage door backs, seal coat, spray one coat</b>									
Sanding sealer, lacquer (material #11b)									
1 car garage, 8' x 7'									
Slow	0.30	0.40	70.90	7.71	1.85	28.36	7.20	7.22	52.34
Medium	0.25	0.50	62.10	8.19	2.36	31.05	10.40	6.24	58.24
Fast	0.20	0.60	53.20	7.98	2.82	31.92	13.24	3.92	59.88
2 car garage, 16' x 7'									
Slow	0.40	0.80	70.90	10.28	2.47	56.72	13.20	13.23	95.90
Medium	0.35	0.90	62.10	11.46	3.31	55.89	17.67	10.60	98.93
Fast	0.30	1.00	53.20	11.97	4.22	53.20	21.51	6.36	97.26
3 car garage, 16' x 7' + 8' x 7'									
Slow	0.60	1.00	70.90	15.42	3.70	70.90	17.10	17.14	124.26
Medium	0.55	1.10	62.10	18.01	5.21	68.31	22.88	13.73	128.14
Fast	0.50	1.20	53.20	19.95	7.04	63.84	28.16	8.33	127.32

Use the figures for Siding when estimating the cost of painting garage door fronts. These figures assume a one-car garage door measures 7' x 8' and a two-car garage door measures 7' x 16'. A three-car garage has one single and one double door. Government funded projects (FHA, VA, HUD) usually require sealing the garage door back on new construction projects. The doors are usually sprayed along with the cabinet sealer coat (as used in this table) or stained along with the exterior trim. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Gutters and downspouts (galvanized), brush application</b>									
<b>Gutters</b>									
Metal prime, rust inhibitor, clean metal (material #35)									
Brush prime coat									
Slow	80	400	75.10	32.13	7.71	18.78	11.14	11.16	80.92
Medium	90	375	65.70	36.39	10.51	17.52	16.11	9.66	90.19
Fast	100	350	56.30	39.90	14.08	16.09	21.72	6.43	98.22
Metal prime, rust inhibitor, rusty metal (material #36)									
Brush prime coat									
Slow	80	400	95.10	32.13	7.71	23.78	12.09	12.11	87.82
Medium	90	375	83.20	36.39	10.51	22.19	17.28	10.37	96.74
Fast	100	350	71.30	39.90	14.08	20.37	23.05	6.82	104.22
Metal finish - synthetic enamel (off white), gloss (material #37)									
Brush 1st finish coat									
Slow	100	425	78.60	25.70	6.17	18.49	9.57	9.59	69.52
Medium	110	400	68.80	29.77	8.60	17.20	13.89	8.34	77.80
Fast	120	375	59.00	33.25	11.72	15.73	18.82	5.57	85.09
Brush 2nd or additional finish coats									
Slow	120	450	78.60	21.42	5.13	17.47	8.37	8.38	60.77
Medium	130	425	68.80	25.19	7.27	16.19	12.17	7.30	68.12
Fast	140	400	59.00	28.50	10.04	14.75	16.53	4.89	74.71
Metal finish - synthetic enamel (colors except orange/red), gloss (material #38)									
Brush 1st finish coat									
Slow	100	425	75.70	25.70	6.17	17.81	9.44	9.46	68.58
Medium	110	400	66.20	29.77	8.60	16.55	13.73	8.24	76.89
Fast	120	375	56.70	33.25	11.72	15.12	18.63	5.51	84.23
Brush 2nd or additional finish coats									
Slow	120	450	75.70	21.42	5.13	16.82	8.24	8.26	59.87
Medium	130	425	66.20	25.19	7.27	15.58	12.01	7.21	67.26
Fast	140	400	56.70	28.50	10.04	14.18	16.35	4.84	73.91
<b>Downspouts</b>									
Metal prime, rust inhibitor, clean metal (material #35)									
Brush prime coat									
Slow	30	250	75.10	85.67	20.55	30.04	25.89	25.95	188.10
Medium	35	225	65.70	93.57	27.02	29.20	37.45	22.47	209.71
Fast	40	200	56.30	99.75	35.20	28.15	50.56	14.96	228.62
Metal prime, rust inhibitor, rusty metal (material #36)									
Brush prime coat									
Slow	30	250	95.10	85.67	20.55	38.04	27.41	27.47	199.14
Medium	35	225	83.20	93.57	27.02	36.98	39.40	23.64	220.61
Fast	40	200	71.30	99.75	35.20	35.65	52.89	15.65	239.14

## General Painting Costs

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Metal finish - synthetic enamel (off white), gloss (material #37)</b>									
Brush 1st finish coat									
Slow	50	275	78.60	51.40	12.34	28.58	17.54	17.58	127.44
Medium	60	250	68.80	54.58	15.78	27.52	24.47	14.68	137.03
Fast	70	225	59.00	57.00	20.14	26.22	32.04	9.48	144.88
Brush 2nd or additional finish coats									
Slow	70	300	78.60	36.71	8.83	26.20	13.63	13.66	99.03
Medium	80	275	68.80	40.94	11.82	25.02	19.45	11.67	108.90
Fast	90	250	59.00	44.33	15.64	23.60	25.91	7.66	117.14
<b>Metal finish - synthetic enamel (colors except orange/red), gloss (material #38)</b>									
Brush 1st finish coat									
Slow	50	275	75.70	51.40	12.34	27.53	17.34	17.38	125.99
Medium	60	250	66.20	54.58	15.78	26.48	24.21	14.52	135.57
Fast	70	225	56.70	57.00	20.14	25.20	31.72	9.38	143.44
Brush 2nd or additional finish coats									
Slow	70	300	75.70	36.71	8.83	25.23	13.44	13.47	97.68
Medium	80	275	66.20	40.94	11.82	24.07	19.21	11.53	107.57
Fast	90	250	56.70	44.33	15.64	22.68	25.62	7.58	115.85

NOTE: Oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. These figures assume that all exposed surfaces of 5" gutters and 4" downspouts are painted. For ornamental gutters and downspouts, multiply the linear feet by 1.5 before using these figures. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

## High Time Difficulty Factors

Painting takes longer and may require more material when heights above the floor exceed 8 feet. The additional time and material for working at these heights and using a roller pole or a wand on a spray gun, climbing up and down a ladder or scaffolding is applied by using one of the factors listed below. The wall area above 8 feet is typically referred to as the "Clip." To apply the high time difficulty factor, measure the surface above 8 feet which is to be painted and multiply that figure by the appropriate factor. This measurement can be listed on a separate line of your take-off and the appropriate price can be applied for a total.

For labor calculations only:

- Add 30% to the area for heights between 8 and 13 feet (multiply by 1.3)
- Add 60% to the area for heights from 13 to 17 feet (multiply by 1.6)
- Add 90% to the area for heights from 17 to 19 feet (multiply by 1.9)
- Add 120% to the area for heights from 19 to 21 feet (multiply by 2.2)

EXAMPLE: A 17 x 14 living room has a vaulted ceiling 13 feet high. Your take-off sheet might look like this:

Walls to 8 feet:  $136 + 112 + 136 + 112 = 496$  SF

Clip:  $[(5 \times 14) / 2] \times 2 + (5 \times 17) = 70 + 85 = 155$  SF  
 area of two triangles + rectangular area  
 $155 \text{ SF} \times 1.3$  (high time difficulty factor) = 202 SF

Then multiply each SF total by the appropriate price per square foot.

**Mail box structures, wood, apartment type**

Measure the length of each board to be painted and use the manhours and material given for Trellis or Plant-on trim or Siding.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, anti-graffiti stain eliminator on smooth or rough surface</b>									
Water base primer and sealer (material #39)									
Roll & brush each coat									
Slow	350	400	75.60	7.34	1.77	18.90	5.32	5.33	38.66
Medium	375	375	66.20	8.73	2.54	17.65	7.23	4.34	40.49
Fast	400	350	56.70	9.98	3.52	16.20	9.21	2.72	41.63
Oil base primer and sealer (material #40)									
Roll & brush each coat									
Slow	350	375	81.90	7.34	1.77	21.84	5.88	5.89	42.72
Medium	375	350	71.60	8.73	2.54	20.46	7.93	4.76	44.42
Fast	400	325	61.40	9.98	3.52	18.89	10.04	2.97	45.40
Polyurethane 2 part system (material #41)									
Roll & brush each coat									
Slow	300	375	251.60	8.57	2.04	67.09	14.77	14.80	107.27
Medium	325	350	220.20	10.08	2.92	62.91	18.98	11.39	106.28
Fast	350	325	188.70	11.40	4.04	58.06	22.78	6.74	103.02

Use these figures for new brick, used brick, or Concrete Masonry Units (CMU) where the block surfaces are either smooth or rough, porous or unfilled, with joints struck to average depth. The more porous the surface, the rougher the texture, the more time and material will be required. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, block filler</b>									
Brush 1 coat (material #33)									
Slow	95	75	55.10	27.05	6.51	73.47	20.33	20.37	147.73
Medium	125	65	48.20	26.20	7.57	74.15	26.98	16.19	151.09
Fast	155	55	41.30	25.74	9.08	75.09	34.08	10.08	154.07
Roll 1 coat (material #33)									
Slow	190	70	55.10	13.53	3.23	78.71	18.14	18.18	131.79
Medium	215	60	48.20	15.23	4.40	80.33	24.99	14.99	139.94
Fast	240	50	41.30	16.63	5.88	82.60	32.58	9.64	147.33
Spray 1 coat (material #33)									
Slow	425	65	55.10	6.05	1.44	84.77	17.53	17.57	127.36
Medium	525	55	48.20	6.24	1.78	87.64	23.92	14.35	133.93
Fast	625	45	41.30	6.38	2.26	91.78	31.13	9.21	140.76

Use these figures for using block filler on rough or porous masonry with joints struck to average depth. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, brick, new, smooth-surface, brush</b>									
Masonry paint, water base, flat or gloss (material #31)									
Brush 1st coat									
Slow	200	300	65.10	12.85	3.09	21.70	7.15	7.16	51.95
Medium	225	275	57.00	14.56	4.18	20.73	9.88	5.93	55.28
Fast	250	250	48.80	15.96	5.63	19.52	12.74	3.77	57.62
Brush 2nd or additional coats									
Slow	250	325	65.10	10.28	2.47	20.03	6.23	6.24	45.25
Medium	275	300	57.00	11.91	3.45	19.00	8.59	5.15	48.10
Fast	300	275	48.80	13.30	4.68	17.75	11.08	3.28	50.09
Masonry paint, oil base (material #32)									
Brush 1st coat									
Slow	200	350	86.10	12.85	3.09	24.60	7.70	7.72	55.96
Medium	225	325	75.40	14.56	4.18	23.20	10.49	6.30	58.73
Fast	250	300	64.60	15.96	5.63	21.53	13.37	3.95	60.44
Brush 2nd or additional coats									
Slow	250	400	86.10	10.28	2.47	21.53	6.51	6.53	47.32
Medium	275	363	75.40	11.91	3.45	20.77	9.03	5.42	50.58
Fast	300	325	64.60	13.30	4.68	19.88	11.74	3.47	53.07

Use these figures for new smooth-surface brick with joints struck to average depth. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, brick, new, smooth-surface, roll</b>									
Masonry paint, water base, flat or gloss (material #31)									
Roll 1st coat									
Slow	325	250	65.10	7.91	1.91	26.04	6.81	6.83	49.50
Medium	350	213	57.00	9.36	2.71	26.76	9.71	5.82	54.36
Fast	375	175	48.80	10.64	3.77	27.89	13.11	3.88	59.29
Roll 2nd or additional coats									
Slow	375	275	65.10	6.85	1.66	23.67	6.11	6.12	44.41
Medium	400	250	57.00	8.19	2.36	22.80	8.34	5.00	46.69
Fast	425	225	48.80	9.39	3.30	21.69	10.66	3.15	48.19
Masonry paint, oil base (material #32)									
Roll 1st coat									
Slow	325	325	86.10	7.91	1.91	26.49	6.90	6.91	50.12
Medium	350	288	75.40	9.36	2.71	26.18	9.56	5.74	53.55
Fast	375	250	64.60	10.64	3.77	25.84	12.47	3.69	56.41
Roll 2nd or additional coats									
Slow	375	350	86.10	6.85	1.66	24.60	6.29	6.30	45.70
Medium	400	313	75.40	8.19	2.36	24.09	8.66	5.20	48.50
Fast	425	275	64.60	9.39	3.30	23.49	11.22	3.32	50.72
Waterproofing, clear hydro sealer, oil base (material #34)									
Roll 1st coat									
Slow	200	175	70.90	12.85	3.09	40.51	10.72	10.75	77.92
Medium	225	150	62.10	14.56	4.18	41.40	15.04	9.03	84.21
Fast	250	125	53.20	15.96	5.63	42.56	19.89	5.88	89.92
Roll 2nd or additional coats									
Slow	225	200	70.90	11.42	2.73	35.45	9.43	9.45	68.48
Medium	250	190	62.10	13.10	3.78	32.68	12.39	7.44	69.39
Fast	275	180	53.20	14.51	5.14	29.56	15.25	4.51	68.97

Use these figures for new smooth-surface brick with joints struck to average depth. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, brick, new, smooth-surface, spray</b>									
Masonry paint, water base, flat or gloss (material #31)									
Spray 1st coat									
Slow	650	250	65.10	3.95	.96	26.04	5.88	5.89	42.72
Medium	750	225	57.00	4.37	1.24	25.33	7.74	4.64	43.32
Fast	850	200	48.80	4.69	1.68	24.40	9.53	2.82	43.12
Spray 2nd or additional coats									
Slow	750	275	65.10	3.43	.81	23.67	5.30	5.32	38.53
Medium	825	238	57.00	3.97	1.14	23.95	7.27	4.36	40.69
Fast	900	250	48.80	4.43	1.56	19.52	7.91	2.34	35.76
Masonry paint, oil base (material #32)									
Spray 1st coat									
Slow	650	275	86.10	3.95	.96	31.31	6.88	6.89	49.99
Medium	750	250	75.40	4.37	1.24	30.16	8.95	5.37	50.09
Fast	850	225	64.60	4.69	1.68	28.71	10.87	3.22	49.17
Spray 2nd or additional coats									
Slow	750	300	86.10	3.43	.81	28.70	6.26	6.27	45.47
Medium	825	288	75.40	3.97	1.14	26.18	7.83	4.70	43.82
Fast	900	275	64.60	4.43	1.56	23.49	9.14	2.70	41.32
Waterproofing, clear hydro sealer, oil base (material #34)									
Spray 1st coat									
Slow	700	120	70.90	3.67	.89	59.08	12.09	12.12	87.85
Medium	800	100	62.10	4.09	1.19	62.10	16.84	10.11	94.33
Fast	900	80	53.20	4.43	1.56	66.50	22.47	6.65	101.61
Spray 2nd or additional coats									
Slow	800	150	70.90	3.21	.77	47.27	9.74	9.76	70.75
Medium	900	138	62.10	3.64	1.05	45.00	12.42	7.45	69.56
Fast	1000	125	53.20	3.99	1.41	42.56	14.87	4.40	67.23

Use these figures for new smooth-surface brick with joints struck to average depth. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, brick, used, rough surface, brush</b>									
Masonry paint, water base, flat or gloss (material #31)									
Brush 1st coat									
Slow	150	300	65.10	17.13	4.13	21.70	8.16	8.18	59.30
Medium	175	275	57.00	18.71	5.39	20.73	11.21	6.73	62.77
Fast	200	250	48.80	19.95	7.04	19.52	14.42	4.27	65.20
Brush 2nd or additional coats									
Slow	200	375	65.10	12.85	3.09	17.36	6.33	6.34	45.97
Medium	225	350	57.00	14.56	4.18	16.29	8.77	5.26	49.06
Fast	250	325	48.80	15.96	5.63	15.02	11.35	3.36	51.32
Masonry paint, oil base (material #32)									
Brush 1st coat									
Slow	150	325	86.10	17.13	4.13	26.49	9.07	9.09	65.91
Medium	175	300	75.40	18.71	5.39	25.13	12.31	7.39	68.93
Fast	200	275	64.60	19.95	7.04	23.49	15.65	4.63	70.76
Brush 2nd or additional coats									
Slow	200	400	86.10	12.85	3.09	21.53	7.12	7.13	51.72
Medium	225	375	75.40	14.56	4.18	20.11	9.72	5.83	54.40
Fast	250	350	64.60	15.96	5.63	18.46	12.42	3.67	56.14

Use these figures for new smooth-surface brick with joints struck to average depth. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, brick, used, rough surface, roll</b>									
Masonry paint, water base, flat or gloss (material #31)									
Roll 1st coat									
Slow	300	250	65.10	8.57	2.04	26.04	6.97	6.98	50.60
Medium	325	225	57.00	10.08	2.92	25.33	9.58	5.75	53.66
Fast	350	200	48.80	11.40	4.04	24.40	12.34	3.65	55.83
Roll 2nd or additional coats									
Slow	350	325	65.10	7.34	1.77	20.03	5.53	5.55	40.22
Medium	375	300	57.00	8.73	2.54	19.00	7.56	4.54	42.37
Fast	400	275	48.80	9.98	3.52	17.75	9.69	2.87	43.81
Masonry paint, oil base (material #32)									
Roll 1st coat									
Slow	300	275	86.10	8.57	2.04	31.31	7.97	7.99	57.88
Medium	325	250	75.40	10.08	2.92	30.16	10.79	6.47	60.42
Fast	350	225	64.60	11.40	4.04	28.71	13.68	4.05	61.88
Roll 2nd or additional coats									
Slow	350	350	86.10	7.34	1.77	24.60	6.40	6.42	46.53
Medium	375	325	75.40	8.73	2.54	23.20	8.61	5.17	48.25
Fast	400	300	64.60	9.98	3.52	21.53	10.86	3.21	49.10
Waterproofing, clear hydro sealer, oil base (material #34)									
Roll 1st coat									
Slow	150	125	70.90	17.13	4.13	56.72	14.81	14.84	107.63
Medium	175	113	62.10	18.71	5.39	54.96	19.77	11.86	110.69
Fast	200	100	53.20	19.95	7.04	53.20	24.86	7.35	112.40
Roll 2nd or additional coats									
Slow	175	150	70.90	14.69	3.51	47.27	12.44	12.47	90.38
Medium	200	138	62.10	16.38	4.73	45.00	16.53	9.92	92.56
Fast	225	125	53.20	17.73	6.24	42.56	20.63	6.10	93.26

Use these figures for dry pressed used brick, clay brick tile, or adobe block with joints struck to average depth. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, brick, used, rough surface, spray</b>									
Masonry paint, water base, flat or gloss (material #31)									
Spray 1st coat									
Slow	600	200	65.10	4.28	1.04	32.55	7.19	7.21	52.27
Medium	700	175	57.00	4.68	1.36	32.57	9.65	5.79	54.05
Fast	800	150	48.80	4.99	1.76	32.53	12.18	3.60	55.06
Spray 2nd or additional coats									
Slow	700	225	65.10	3.67	.89	28.93	6.36	6.37	46.22
Medium	800	213	57.00	4.09	1.19	26.76	8.01	4.80	44.85
Fast	900	200	48.80	4.43	1.56	24.40	9.42	2.79	42.60
Masonry paint, oil base (material #32)									
Spray 1st coat									
Slow	600	225	86.10	4.28	1.04	38.27	8.28	8.30	60.17
Medium	700	200	75.40	4.68	1.36	37.70	10.93	6.56	61.23
Fast	800	175	64.60	4.99	1.76	36.91	13.53	4.00	61.19
Spray 2nd or additional coats									
Slow	700	250	86.10	3.67	.89	34.44	7.41	7.42	53.83
Medium	800	238	75.40	4.09	1.19	31.68	9.24	5.54	51.74
Fast	900	225	64.60	4.43	1.56	28.71	10.76	3.18	48.64
Waterproofing, clear hydro sealer, oil base (material #34)									
Spray 1st coat									
Slow	600	80	70.90	4.28	1.04	88.63	17.85	17.89	129.69
Medium	700	75	62.10	4.68	1.36	82.80	22.21	13.32	124.37
Fast	800	70	53.20	4.99	1.76	76.00	25.65	7.59	115.99
Spray 2nd coat									
Slow	800	100	70.90	3.21	.77	70.90	14.23	14.26	103.37
Medium	900	90	62.10	3.64	1.05	69.00	18.42	11.05	103.16
Fast	1000	80	53.20	3.99	1.41	66.50	22.29	6.59	100.78

Use these figures for dry pressed used brick, clay brick tile, or adobe block with joints struck to average depth.  
 "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications  
 that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, Concrete Masonry Units (CMU), rough, porous surface, brush</b>									
Masonry paint, water base, flat or gloss (material #31)									
Brush 1st coat									
Slow	110	100	65.10	23.36	5.61	65.10	17.87	17.91	129.85
Medium	130	88	57.00	25.19	7.27	64.77	24.31	14.59	136.13
Fast	150	75	48.80	26.60	9.40	65.07	31.33	9.27	141.67
Brush 2nd or additional coats									
Slow	185	180	65.10	13.89	3.35	36.17	10.14	10.16	73.71
Medium	210	168	57.00	15.60	4.49	33.93	13.51	8.11	75.64
Fast	230	155	48.80	17.35	6.13	31.48	17.03	5.04	77.03
Masonry paint, oil base (material #32)									
Brush 1st coat									
Slow	110	130	86.10	23.36	5.61	66.23	18.09	18.13	131.42
Medium	130	120	75.40	25.19	7.27	62.83	23.83	14.30	133.42
Fast	150	110	64.60	26.60	9.40	58.73	29.36	8.69	132.78
Brush 2nd or additional coats									
Slow	185	200	86.10	13.89	3.35	43.05	11.45	11.48	83.22
Medium	208	180	75.40	15.75	4.55	41.89	15.55	9.33	87.07
Fast	230	160	64.60	17.35	6.13	40.38	19.79	5.85	89.50
Epoxy coating, 2 part system clear (material #51)									
Brush 1st coat									
Slow	95	110	263.80	27.05	6.51	239.82	51.94	52.05	377.37
Medium	115	98	230.80	28.48	8.24	235.51	68.06	40.83	381.12
Fast	135	85	197.90	29.56	10.44	232.82	84.57	25.02	382.41
Brush 2nd or additional coats									
Slow	165	200	263.80	15.58	3.73	131.90	28.73	28.79	208.73
Medium	190	188	230.80	17.24	4.96	122.77	36.25	21.75	202.97
Fast	210	175	197.90	19.00	6.69	113.09	43.03	12.73	194.54
Waterproofing, clear hydro sealer, oil base (material #34)									
Brush 1st coat									
Slow	125	90	70.90	20.56	4.94	78.78	19.81	19.85	143.94
Medium	150	80	62.10	21.83	6.32	77.63	26.44	15.87	148.09
Fast	175	70	53.20	22.80	8.02	76.00	33.12	9.80	149.74
Brush 2nd or additional coats									
Slow	230	130	70.90	11.17	2.69	54.54	12.99	13.02	94.41
Medium	275	110	62.10	11.91	3.45	56.45	17.95	10.77	100.53
Fast	295	90	53.20	13.53	4.77	59.11	24.00	7.10	108.51

Use these figures for Concrete Masonry Units (CMU) such as split face, fluted, or slump block, whose surfaces are rough, porous or unfilled, with joints struck to average depth. The more porous the surface, the rougher the texture, the more time and material will be required. For heavy waterproofing applications, see Masonry under Industrial Painting Operations. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, Concrete Masonry Units (CMU), rough, porous surface, roll</b>									
Masonry paint, water base, flat or gloss (material #31)									
Roll 1st coat									
Slow	245	90	65.10	10.49	2.51	72.33	16.21	16.25	117.79
Medium	300	78	57.00	10.92	3.14	73.08	21.79	13.07	122.00
Fast	350	65	48.80	11.40	4.04	75.08	28.06	8.30	126.88
Roll 2nd or additional coats									
Slow	275	160	65.10	9.35	2.25	40.69	9.93	9.95	72.17
Medium	325	143	57.00	10.08	2.92	39.86	13.21	7.93	74.00
Fast	420	125	48.80	9.50	3.35	39.04	16.09	4.76	72.74
Masonry paint, oil base (material #32)									
Roll 1st coat									
Slow	245	110	86.10	10.49	2.51	78.27	17.34	17.38	125.99
Medium	300	98	75.40	10.92	3.14	76.94	22.76	13.65	127.41
Fast	350	85	64.60	11.40	4.04	76.00	28.34	8.38	128.16
Roll 2nd or additional coats									
Slow	275	185	86.10	9.35	2.25	46.54	11.04	11.07	80.25
Medium	325	170	75.40	10.08	2.92	44.35	14.34	8.60	80.29
Fast	420	155	64.60	9.50	3.35	41.68	16.90	5.00	76.43
Epoxy coating, 2 part system, clear (material #51)									
Roll 1st coat									
Slow	220	100	263.80	11.68	2.82	263.80	52.87	52.98	384.15
Medium	275	88	230.80	11.91	3.45	262.27	69.41	41.64	388.68
Fast	325	75	197.90	12.28	4.35	263.87	86.95	25.72	393.17
Roll 2nd or additional coats									
Slow	250	175	263.80	10.28	2.47	150.74	31.06	31.13	225.68
Medium	300	160	230.80	10.92	3.14	144.25	39.58	23.75	221.64
Fast	395	145	197.90	10.10	3.56	136.48	46.55	13.77	210.46
Waterproofing, clear hydro sealer, oil base (material #34)									
Roll 1st coat									
Slow	170	110	70.90	15.12	3.62	64.45	15.81	15.84	114.84
Medium	200	98	62.10	16.38	4.73	63.37	21.12	12.67	118.27
Fast	245	85	53.20	16.29	5.73	62.59	26.24	7.76	118.61
Roll 2nd or additional coats									
Slow	275	175	70.90	9.35	2.25	40.51	9.90	9.92	71.93
Medium	300	145	62.10	10.92	3.14	42.83	14.23	8.54	79.66
Fast	325	115	53.20	12.28	4.35	46.26	19.49	5.77	88.15

Use these figures for Concrete Masonry Units (CMU) such as split face, fluted, or slump block, whose surfaces are rough, porous or unfilled, with joints struck to average depth. The more porous the surface, the rougher the texture, the more time and material will be required. For heavy waterproofing applications, see Masonry under Industrial Painting Operations. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, Concrete Masonry Units (CMU), rough, porous surface, spray</b>									
Masonry paint, water base, flat or gloss (material #31)									
Spray 1st coat									
Slow	600	100	65.10	4.28	1.04	65.10	13.38	13.41	97.21
Medium	700	78	57.00	4.68	1.36	73.08	19.78	11.87	110.77
Fast	800	55	48.80	4.99	1.76	88.73	29.60	8.76	133.84
Spray 2nd or additional coats									
Slow	700	155	65.10	3.67	.89	42.00	8.84	8.86	64.26
Medium	800	133	57.00	4.09	1.19	42.86	12.03	7.22	67.39
Fast	900	110	48.80	4.43	1.56	44.36	15.61	4.62	70.58
Masonry paint, oil base (material #32)									
Spray 1st coat									
Slow	600	100	86.10	4.28	1.04	86.10	17.37	17.40	126.19
Medium	700	83	75.40	4.68	1.36	90.84	24.22	14.53	135.63
Fast	800	65	64.60	4.99	1.76	99.38	32.90	9.73	148.76
Spray 2nd or additional coats									
Slow	700	160	86.10	3.67	.89	53.81	11.09	11.11	80.57
Medium	800	143	75.40	4.09	1.19	52.73	14.50	8.70	81.21
Fast	900	125	64.60	4.43	1.56	51.68	17.88	5.29	80.84
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	500	85	263.80	5.14	1.23	310.35	60.18	60.30	437.20
Medium	600	68	230.80	5.46	1.59	339.41	86.61	51.97	485.04
Fast	700	50	197.90	5.70	2.02	395.80	125.09	37.00	565.61
Spray 2nd or additional coats									
Slow	600	145	263.80	4.28	1.04	181.93	35.58	35.65	258.48
Medium	700	130	230.80	4.68	1.36	177.54	45.89	27.54	257.01
Fast	800	115	197.90	4.99	1.76	172.09	55.44	16.40	250.68
Waterproofing, clear hydro sealer, oil base (material #34)									
Spray 1st coat									
Slow	500	60	70.90	5.14	1.23	118.17	23.66	23.71	171.91
Medium	700	50	62.10	4.68	1.36	124.20	32.56	19.53	182.33
Fast	900	40	53.20	4.43	1.56	133.00	43.09	12.75	194.83
Spray 2nd or additional coats									
Slow	600	90	70.90	4.28	1.04	78.78	15.98	16.01	116.09
Medium	800	75	62.10	4.09	1.19	82.80	22.02	13.21	123.31
Fast	1000	60	53.20	3.99	1.41	88.67	29.16	8.63	131.86

Use these figures for Concrete Masonry Units (CMU) such as split face, fluted, or slump block, whose surfaces are rough, porous or unfilled, with joints struck to average depth. The more porous the surface, the rougher the texture, the more time and material will be required. For heavy waterproofing applications, see Masonry under Industrial Painting Operations. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, Concrete Masonry Units (CMU), smooth-surface, brush</b>									
Masonry paint, water base, flat or gloss (material #31)									
Brush 1st coat									
Slow	140	310	65.10	18.36	4.40	21.00	8.32	8.33	60.41
Medium	190	275	57.00	17.24	4.96	20.73	10.74	6.44	60.11
Fast	230	240	48.80	17.35	6.13	20.33	13.58	4.02	61.41
Brush 2nd or additional coats									
Slow	170	410	65.10	15.12	3.62	15.88	6.58	6.59	47.79
Medium	250	370	57.00	13.10	3.78	15.41	8.08	4.85	45.22
Fast	325	340	48.80	12.28	4.35	14.35	9.60	2.84	43.42
Masonry paint, oil base (material #32)									
Brush 1st coat									
Slow	140	350	86.10	18.36	4.40	24.60	9.00	9.02	65.38
Medium	190	320	75.40	17.24	4.96	23.56	11.45	6.87	64.08
Fast	230	290	64.60	17.35	6.13	22.28	14.18	4.20	64.14
Brush 2nd or additional coats									
Slow	170	450	86.10	15.12	3.62	19.13	7.20	7.21	52.28
Medium	250	420	75.40	13.10	3.78	17.95	8.71	5.23	48.77
Fast	325	390	64.60	12.28	4.35	16.56	10.28	3.04	46.51
Epoxy coating, 2 part system clear (material #51)									
Brush 1st coat									
Slow	120	325	263.80	21.42	5.13	81.17	20.47	20.51	148.70
Medium	160	295	230.80	20.47	5.91	78.24	26.16	15.69	146.47
Fast	200	265	197.90	19.95	7.04	74.68	31.52	9.32	142.51
Brush 2nd or additional coats									
Slow	150	425	263.80	17.13	4.13	62.07	15.83	15.86	115.02
Medium	225	395	230.80	14.56	4.18	58.43	19.30	11.58	108.05
Fast	300	365	197.90	13.30	4.68	54.22	22.39	6.62	101.21
Waterproofing, clear hydro sealer, oil base (material #34)									
Brush 1st coat									
Slow	150	100	70.90	17.13	4.13	70.90	17.51	17.54	127.21
Medium	175	88	62.10	18.71	5.39	70.57	23.67	14.20	132.54
Fast	200	75	53.20	19.95	7.04	70.93	30.36	8.98	137.26
Brush 2nd or additional coats									
Slow	230	140	70.90	11.17	2.69	50.64	12.25	12.28	89.03
Medium	275	120	62.10	11.91	3.45	51.75	16.78	10.07	93.96
Fast	295	100	53.20	13.53	4.77	53.20	22.17	6.56	100.23

Use these figures for Concrete Masonry Units (CMU) where the block surfaces are smooth with joints struck to average depth. For heavy waterproofing applications, see Masonry under Industrial Painting Operations. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, Concrete Masonry Units (CMU), smooth-surface, roll</b>									
Masonry paint, water base, flat or gloss (material #31)									
Roll 1st coat									
Slow	300	240	65.10	8.57	2.04	27.13	7.17	7.19	52.10
Medium	350	228	57.00	9.36	2.71	25.00	9.27	5.56	51.90
Fast	390	215	48.80	10.23	3.59	22.70	11.33	3.35	51.20
Roll 2nd or additional coats									
Slow	350	325	65.10	7.34	1.77	20.03	5.53	5.55	40.22
Medium	400	313	57.00	8.19	2.36	18.21	7.19	4.32	40.27
Fast	450	300	48.80	8.87	3.11	16.27	8.76	2.59	39.60
Masonry paint, oil base (material #32)									
Roll 1st coat									
Slow	300	285	86.10	8.57	2.04	30.21	7.76	7.78	56.36
Medium	350	273	75.40	9.36	2.71	27.62	9.92	5.95	55.56
Fast	390	260	64.60	10.23	3.59	24.85	11.99	3.55	54.21
Roll 2nd or additional coats									
Slow	350	375	86.10	7.34	1.77	22.96	6.09	6.10	44.26
Medium	400	358	75.40	8.19	2.36	21.06	7.91	4.74	44.26
Fast	450	340	64.60	8.87	3.11	19.00	9.61	2.84	43.43
Epoxy coating, 2 part system, clear (material #51)									
Roll 1st coat									
Slow	275	265	263.80	9.35	2.25	99.55	21.12	21.16	153.43
Medium	325	253	230.80	10.08	2.92	91.23	26.06	15.63	145.92
Fast	375	240	197.90	10.64	3.77	82.46	30.03	8.88	135.78
Roll 2nd or additional coats									
Slow	325	355	263.80	7.91	1.91	74.31	15.98	16.02	116.13
Medium	375	340	230.80	8.73	2.54	67.88	19.78	11.87	110.80
Fast	425	325	197.90	9.39	3.30	60.89	22.81	6.75	103.14
Waterproofing, clear hydro sealer, oil base (material #34)									
Roll 1st coat									
Slow	170	110	70.90	15.12	3.62	64.45	15.81	15.84	114.84
Medium	200	95	62.10	16.38	4.73	65.37	21.62	12.97	121.07
Fast	245	80	53.20	16.29	5.73	66.50	27.45	8.12	124.09
Roll 2nd or additional coats									
Slow	275	150	70.90	9.35	2.25	47.27	11.18	11.21	81.26
Medium	300	125	62.10	10.92	3.14	49.68	15.94	9.56	89.24
Fast	325	100	53.20	12.28	4.35	53.20	21.64	6.40	97.87

Use these figures for Concrete Masonry Units (CMU) where the block surfaces are smooth with joints struck to average depth. For heavy waterproofing applications, see Masonry under Industrial Painting Operations. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, Concrete Masonry Units (CMU), smooth-surface, spray</b>									
Masonry paint, water base, flat or gloss (material #31)									
Spray 1st coat									
Slow	725	240	65.10	3.54	.86	27.13	5.99	6.00	43.52
Medium	788	215	57.00	4.16	1.20	26.51	7.97	4.78	44.62
Fast	850	190	48.80	4.69	1.68	25.68	9.93	2.94	44.92
Spray 2nd or additional coats									
Slow	800	320	65.10	3.21	.77	20.34	4.62	4.63	33.57
Medium	950	295	57.00	3.45	.98	19.32	5.94	3.57	33.26
Fast	1100	270	48.80	3.63	1.28	18.07	7.12	2.11	32.21
Masonry paint, oil base (material #32)									
Spray 1st coat									
Slow	725	280	86.10	3.54	.86	30.75	6.68	6.69	48.52
Medium	788	255	75.40	4.16	1.20	29.57	8.73	5.24	48.90
Fast	850	230	64.60	4.69	1.68	28.09	10.68	3.16	48.30
Spray 2nd or additional coats									
Slow	800	345	86.10	3.21	.77	24.96	5.50	5.51	39.95
Medium	950	328	75.40	3.45	.98	22.99	6.86	4.12	38.40
Fast	1100	310	64.60	3.63	1.28	20.84	7.98	2.36	36.09
Epoxy coating, 2 part system clear (material #51)									
Spray 1st coat									
Slow	675	255	263.80	3.81	.91	103.45	20.55	20.60	149.32
Medium	738	238	230.80	4.44	1.30	96.97	25.67	15.40	143.78
Fast	800	220	197.90	4.99	1.76	89.95	29.98	8.87	135.55
Spray 2nd or additional coats									
Slow	750	325	263.80	3.43	.81	81.17	16.23	16.26	117.90
Medium	900	308	230.80	3.64	1.05	74.94	19.91	11.94	111.48
Fast	1050	290	197.90	3.80	1.33	68.24	22.75	6.73	102.85
Waterproofing, clear hydro sealer, oil base (material #34)									
Spray 1st coat									
Slow	500	75	70.90	5.14	1.23	94.53	19.17	19.21	139.28
Medium	750	63	62.10	4.37	1.24	98.57	26.05	15.63	145.86
Fast	900	50	53.20	4.43	1.56	106.40	34.84	10.31	157.54
Spray 2nd or additional coats									
Slow	600	100	70.90	4.28	1.04	70.90	14.48	14.51	105.21
Medium	800	88	62.10	4.09	1.19	70.57	18.96	11.38	106.19
Fast	1000	75	53.20	3.99	1.41	70.93	23.66	7.00	106.99

Use these figures for Concrete Masonry Units (CMU) where the block surfaces are smooth with joints struck to average depth. For heavy waterproofing applications, see Masonry under Industrial Painting Operations. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, stone, marble or granite</b>									
Waterproof, clear hydro sealer, oil base (material #34)									
Spray 1st coat									
Slow	600	220	70.90	4.28	1.04	32.23	7.13	7.15	51.83
Medium	700	200	62.10	4.68	1.36	31.05	9.27	5.56	51.92
Fast	800	180	53.20	4.99	1.76	29.56	11.26	3.33	50.90
Spray 2nd coat									
Slow	700	225	70.90	3.67	.89	31.51	6.85	6.87	49.79
Medium	800	213	62.10	4.09	1.19	29.15	8.61	5.16	48.20
Fast	900	200	53.20	4.43	1.56	26.60	10.10	2.99	45.68

Use these figures for the cost to apply waterproof sealer on stone, marble or granite surfaces. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Molding, interior or exterior, paint grade, smooth-surface</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush prime coat									
Slow	135	700	63.85	19.04	4.58	9.12	6.22	6.23	45.19
Medium	205	600	55.90	15.98	4.62	9.32	7.48	4.49	41.89
Fast	275	500	47.95	14.51	5.14	9.59	9.06	2.68	40.98
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 and #9, or material #4 and #10)									
Brush 1st or additional finish coats									
Slow	125	750	88.63	20.56	4.94	11.82	7.09	7.10	51.51
Medium	135	675	77.55	24.26	7.02	11.49	10.69	6.41	59.87
Fast	145	600	66.48	27.52	9.73	11.08	14.98	4.43	67.74
Enamel, interior, water or oil base (material #9 or #10)									
Brush 1st finish coat									
Slow	125	750	113.40	20.56	4.94	15.12	7.72	7.73	56.07
Medium	160	675	99.20	20.47	5.91	14.70	10.27	6.16	57.51
Fast	200	600	85.00	19.95	7.04	14.17	12.76	3.77	57.69
Brush 2nd or additional finish coats									
Slow	115	750	113.40	22.35	5.38	15.12	8.14	8.16	59.15
Medium	150	675	99.20	21.83	6.32	14.70	10.71	6.43	59.99
Fast	175	600	85.00	22.80	8.02	14.17	13.96	4.13	63.08

# National Painting Cost Estimator

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
Enamel, exterior, water or oil base (material #24 or #25)									
Brush 1st finish coat									
Slow	125	750	92.75	20.56	4.94	12.37	7.19	7.21	52.27
Medium	160	675	81.15	20.47	5.91	12.02	9.60	5.76	53.76
Fast	200	600	69.55	19.95	7.04	11.59	11.96	3.54	54.08
Brush 2nd or additional finish coats									
Slow	115	750	92.75	22.35	5.38	12.37	7.62	7.63	55.35
Medium	150	675	81.15	21.83	6.32	12.02	10.04	6.02	56.23
Fast	175	600	69.55	22.80	8.02	11.59	13.16	3.89	59.46
Stipple finish									
Slow	80	--	--	32.13	7.71	--	7.57	7.59	55.00
Medium	90	--	--	36.39	10.51	--	11.73	7.04	65.67
Fast	100	--	--	39.90	14.08	--	16.73	4.95	75.66
Glazing or mottling over enamel (material #16)									
Glaze & wipe, brush 1 coat									
Slow	55	950	89.50	46.73	11.21	9.42	12.80	12.83	92.99
Medium	65	900	78.30	50.38	14.54	8.70	18.41	11.05	103.08
Fast	75	850	67.10	53.20	18.76	7.89	24.76	7.32	111.93

Consider all trim to be at least 12" wide (even if it's much less than 12" wide) when calculating the area to be painted. Trim painted the same color as the wall or ceiling behind it may take no more time than painting the wall or ceiling itself. Use the slow rate when cutting-in is required to paint molding that's a different color from the surface behind the molding. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Molding, interior, stain grade, smooth surface</b>									
Stain, seal and 2 coat lacquer system (7 step process)									
STEP 1: Sand & putty;									
Slow	150	--	--	17.13	4.13	--	4.04	4.04	29.34
Medium	175	--	--	18.71	5.39	--	6.03	3.62	33.75
Fast	200	--	--	19.95	7.04	--	8.37	2.48	37.84
STEP 2 & 3: Wiping stain (material #11a) & wipe									
Brush 1 coat & wipe									
Slow	150	550	87.30	17.13	4.13	15.87	7.05	7.07	51.25
Medium	175	525	76.40	18.71	5.39	14.55	9.67	5.80	54.12
Fast	200	500	65.50	19.95	7.04	13.10	12.43	3.68	56.20
Spray 1 coat & wipe									
Slow	400	250	87.30	6.43	1.54	34.92	8.15	8.17	59.21
Medium	425	225	76.40	7.71	2.21	33.96	10.98	6.59	61.45
Fast	450	200	65.50	8.87	3.11	32.75	13.87	4.10	62.70
STEP 4 & 5: Sanding sealer (material #11b) & light sand									
Brush 1 coat									
Slow	260	575	70.90	9.88	2.39	12.33	4.67	4.68	33.95
Medium	280	563	62.10	11.70	3.37	11.03	6.53	3.92	36.55
Fast	300	550	53.20	13.30	4.68	9.67	8.57	2.54	38.76
Spray 1 coat									
Slow	450	250	70.90	5.71	1.37	28.36	6.73	6.75	48.92
Medium	475	225	62.10	6.89	2.02	27.60	9.12	5.47	51.10
Fast	500	200	53.20	7.98	2.82	26.60	11.59	3.43	52.42
STEP 6 & 7: Lacquer (material #11c), 2 coats									
Brush 1st coat									
Slow	200	300	87.80	12.85	3.09	29.27	8.59	8.61	62.41
Medium	275	288	76.80	11.91	3.45	26.67	10.51	6.30	58.84
Fast	350	275	65.90	11.40	4.04	23.96	12.21	3.61	55.22
Brush 2nd coat									
Slow	225	375	87.80	11.42	2.73	23.41	7.14	7.15	51.85
Medium	300	350	76.80	10.92	3.14	21.94	9.01	5.40	50.41
Fast	375	325	65.90	10.64	3.77	20.28	10.75	3.18	48.62
Spray 1st coat									
Slow	250	200	87.80	10.28	2.47	43.90	10.76	10.79	78.20
Medium	350	188	76.80	9.36	2.71	40.85	13.23	7.94	74.09
Fast	450	175	65.90	8.87	3.11	37.66	15.39	4.55	69.58
Spray 2nd coat									
Slow	300	250	87.80	8.57	2.04	35.12	8.69	8.71	63.13
Medium	388	225	76.80	8.44	2.45	34.13	11.25	6.75	63.02
Fast	475	200	65.90	8.40	2.99	32.95	13.74	4.06	62.14

# National Painting Cost Estimator

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
Complete 7 step process, stain, seal & 2 coat lacquer system (material #11)									
Brush all coats									
Slow	50	60	83.50	51.40	12.34	139.17	38.55	38.63	280.09
Medium	75	50	73.00	43.67	12.60	146.00	50.57	30.34	283.18
Fast	100	40	62.60	39.90	14.08	156.50	65.25	19.30	295.03
Spray all coats									
Slow	100	40	83.50	25.70	6.17	208.75	45.72	45.81	332.15
Medium	150	30	73.00	21.83	6.32	243.33	67.87	40.72	380.07
Fast	200	20	62.60	19.95	7.04	313.00	105.40	31.18	476.57

These figures are based on linear feet for all molding up to 12" wide. For estimating purposes, consider all molding and trim to be at least 12" wide (even if it's much less than 12") when calculating the area to be finished. The spray figures are based on finishing large quantities of molding in an area set up for spray painting before it's installed. Use the brush figures for small quantities. Use the fast brush rate for molding that's finished before it's installed. If the molding is attached and has to be masked off, use the slow brush figures. Masking time is not included. See the Preparation Operations tables for masking rates. Trim stained the same color as the surface behind it will take no more time than staining the wall itself. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Molding, interior or exterior, stain grade, smooth surface</b>									
Stain, fill and shellac or varnish									
Wiping stain (material #30a) & fill									
Brush each coat									
Slow	80	550	84.90	32.13	7.71	15.44	10.50	10.52	76.30
Medium	130	525	74.30	25.19	7.27	14.15	11.66	6.99	65.26
Fast	180	500	63.70	22.17	7.84	12.74	13.25	3.92	59.92
Shellac, clear (material #12)									
Brush each coat									
Slow	180	550	115.80	14.28	3.44	21.05	7.36	7.38	53.51
Medium	230	525	101.40	14.24	4.12	19.31	9.42	5.65	52.74
Fast	280	500	86.90	14.25	5.02	17.38	11.36	3.36	51.37
Varnish, gloss (material #30c)									
Brush each coat									
Slow	115	550	112.40	22.35	5.38	20.44	9.15	9.17	66.49
Medium	150	525	98.30	21.83	6.32	18.72	11.72	7.03	65.62
Fast	210	500	84.30	19.00	6.69	16.86	13.20	3.90	59.65
Varnish, flat (material #30c)									
Brush each coat									
Slow	125	550	112.40	20.56	4.94	20.44	8.73	8.75	63.42
Medium	160	525	98.30	20.47	5.91	18.72	11.28	6.77	63.15
Fast	220	500	84.30	18.14	6.42	16.86	12.83	3.80	58.05
Penetrating stain wax (material #14) & wipe									
Stain, brush each coat & wipe									
Slow	225	500	137.30	11.42	2.73	27.46	7.91	7.92	57.44
Medium	275	450	120.20	11.91	3.45	26.71	10.52	6.31	58.90
Fast	325	400	103.00	12.28	4.35	25.75	13.13	3.88	59.39
Polish added coats of wax									
Slow	150	--	--	17.13	4.13	--	4.04	4.04	29.34
Medium	175	--	--	18.71	5.39	--	6.03	3.62	33.75
Fast	200	--	--	19.95	7.04	--	8.37	2.48	37.84

# *National Painting Cost Estimator*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
Steel wool buff by hand									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	110	--	--	29.77	8.60	--	9.59	5.76	53.72
Fast	125	--	--	31.92	11.26	--	13.39	3.96	60.53
Wax application & polish, hand apply 1 coat									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	110	--	--	29.77	8.60	--	9.59	5.76	53.72
Fast	125	--	--	31.92	11.26	--	13.39	3.96	60.53

These figures are based on linear feet for all molding up to 12" wide. For estimating purposes, consider all molding and trim to be at least 12" wide (even if it's much less than 12") when calculating the area to be finished. The spray figures are based on finishing large quantities of molding in an area set up for spray painting before it's installed. Use the brush figures for small quantities. Use the fast brush rate for molding that's finished before it's installed. If the molding is attached and has to be masked off, use the slow brush figures. Masking time is not included. See the Preparation Operations tables for masking rates. Trim stained the same color as the surface behind it will take no more time than staining the wall itself. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Boxed eaves		Exposed rafters	
	One color	Two color	One color	Two color
<b>Overhang difficulty factors, eaves, cornice</b>				
One story, repaint				
Standard	1.5	2.0	2.0	2.5
Ornamental	--	--	2.5	3.0
One story, new construction	--	1.5	1.5	2.0
Two story, with scaffolding, repaint				
Standard	1.5	2.0	2.0	2.5
Ornamental	--	--	2.5	3.0
Two story, without scaffolding, repaint				
Standard	3.0	3.5	3.5	4.0
Ornamental	--	--	4.0	4.5
Two story, new construction				
With scaffolding	--	1.5	1.5	2.0
No scaffolding	2.0	2.5	2.5	3.0

Before using the figures in the tables for overhangs, apply these difficulty factors to the surface area (length times width) to be painted. Multiply the factor in this table by the overall surface area of the overhang. This allows for slower work on high eaves and the extra time needed to paint rafter tails. This table adjusts for the kind of eaves, the eave height, the number of colors used, and whether scaffolding is available and erected on site. Boxed eaves have plywood covering the rafter tails.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Overhang at carports, large continuous surface areas</b>									
Solid body or semi-transparent stain, water or oil base (material #18 or #19 or #20 or #21)									
Spray 1st coat									
Slow	550	95	70.60	4.67	1.13	74.32	15.22	15.25	110.59
Medium	600	90	61.78	5.46	1.59	68.64	18.92	11.35	105.96
Fast	650	85	52.98	6.14	2.17	62.33	21.90	6.48	99.02
Spray 2nd coat									
Slow	600	175	70.60	4.28	1.04	40.34	8.67	8.69	63.02
Medium	650	163	61.78	5.04	1.46	37.90	11.10	6.66	62.16
Fast	700	150	52.98	5.70	2.02	35.32	13.34	3.95	60.33
Spray 3rd or additional coats									
Slow	650	225	70.60	3.95	.96	31.38	6.89	6.91	50.09
Medium	700	213	61.78	4.68	1.36	29.00	8.76	5.25	49.05
Fast	750	200	52.98	5.32	1.86	26.49	10.44	3.09	47.20

"Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Overhang at eaves or rake, widths up to 2.5 feet</b>									
Solid body stain, water or oil base (material #18 or #19)									
Roll & Brush 1st coat									
Slow	95	200	74.30	27.05	6.51	37.15	13.43	13.46	97.60
Medium	125	185	65.00	26.20	7.57	35.14	17.23	10.34	96.48
Fast	150	170	55.75	26.60	9.40	32.79	21.32	6.31	96.42
Roll & Brush 2nd coat									
Slow	140	260	74.30	18.36	4.40	28.58	9.76	9.78	70.88
Medium	185	240	65.00	17.70	5.14	27.08	12.48	7.49	69.89
Fast	220	220	55.75	18.14	6.42	25.34	15.46	4.57	69.93
Roll & Brush 3rd or additional coats									
Slow	170	295	74.30	15.12	3.62	25.19	8.35	8.37	60.65
Medium	225	270	65.00	14.56	4.18	24.07	10.71	6.43	59.95
Fast	275	245	55.75	14.51	5.14	22.76	13.14	3.89	59.44
Solid body stain or semi-transparent stain, water or oil base (material #18 or #19 or #20 or #21)									
Spray 1st coat									
Slow	300	150	70.60	8.57	2.04	47.07	10.96	10.99	79.63
Medium	350	125	61.78	9.36	2.71	49.42	15.37	9.22	86.08
Fast	400	100	52.98	9.98	3.52	52.98	20.61	6.10	93.19
Spray 2nd coat									
Slow	375	175	70.60	6.85	1.66	40.34	9.28	9.30	67.43
Medium	450	163	61.78	7.28	2.09	37.90	11.82	7.09	66.18
Fast	540	150	52.98	7.39	2.60	35.32	14.05	4.16	63.52
Spray 3rd or additional coats									
Slow	450	225	70.60	5.71	1.37	31.38	7.31	7.32	53.09
Medium	525	213	61.78	6.24	1.78	29.00	9.26	5.56	51.84
Fast	600	200	52.98	6.65	2.36	26.49	11.00	3.25	49.75

Use this table after multiplying the overall area (length times width) by the difficulty factor listed under Overhang, difficulty factor. Remember to ADD preparation time for masking, caulking, sanding, waterblasting, etc. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Overhang at entries or decks, widths greater than 2.5 feet</b>									
Solid body stain, water or oil base (material #18 or #19)									
Roll & Brush 1st coat									
Slow	125	225	74.30	20.56	4.94	33.02	11.12	11.14	80.78
Medium	180	210	65.00	18.19	5.28	30.95	13.60	8.16	76.18
Fast	225	195	55.75	17.73	6.24	28.59	16.30	4.82	73.68
Roll & Brush 2nd coat									
Slow	170	295	74.30	15.12	3.62	25.19	8.35	8.37	60.65
Medium	225	275	65.00	14.56	4.18	23.64	10.60	6.36	59.34
Fast	275	255	55.75	14.51	5.14	21.86	12.86	3.80	58.17
Roll & Brush 3rd or additional coats									
Slow	210	340	74.30	12.24	2.93	21.85	7.04	7.05	51.11
Medium	280	315	65.00	11.70	3.37	20.63	8.93	5.36	49.99
Fast	345	290	55.75	11.57	4.08	19.22	10.81	3.20	48.88
Solid body stain or semi-transparent stain, water or oil base (material #18 or #19 or #20 or #21)									
Spray 1st coat									
Slow	400	150	70.60	6.43	1.54	47.07	10.46	10.48	75.98
Medium	463	125	61.78	7.07	2.05	49.42	14.63	8.78	81.95
Fast	525	100	52.98	7.60	2.66	52.98	19.61	5.80	88.65
Spray 2nd coat									
Slow	450	175	70.60	5.71	1.37	40.34	9.01	9.03	65.46
Medium	550	163	61.78	5.95	1.73	37.90	11.39	6.84	63.81
Fast	650	150	52.98	6.14	2.17	35.32	13.53	4.00	61.16
Spray 3rd or additional coats									
Slow	550	225	70.60	4.67	1.13	31.38	7.06	7.08	51.32
Medium	625	213	61.78	5.24	1.51	29.00	8.94	5.36	50.05
Fast	700	200	52.98	5.70	2.02	26.49	10.60	3.14	47.95

Use this table after multiplying the overall area (length times width) by the difficulty factor listed under Overhang, difficulty factor. Remember to ADD preparation time for masking, caulking, sanding, waterblasting, etc. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Pass-through shelves, wood top & wrought iron support**

Metal primer, rust inhibitor, clean metal (material #35)

Brush 1st coat

Slow	30	125	75.10	85.67	20.55	60.08	31.60	31.67	229.57
Medium	35	113	65.70	93.57	27.02	58.14	44.69	26.81	250.23
Fast	40	100	56.30	99.75	35.20	56.30	59.29	17.54	268.08

Metal finish - synthetic enamel (colors except orange/red) (material #38)

Brush 1st coat

Slow	30	125	75.70	85.67	20.55	60.56	31.69	31.76	230.23
Medium	35	113	66.20	93.57	27.02	58.58	44.80	26.88	250.85
Fast	40	100	56.70	99.75	35.20	56.70	59.41	17.57	268.63

Use these figures to estimate pass-through shelves which are approximately 12" wide and 3'0" long with a wood top and wrought iron supports. The *rule-of-thumb* minimum time and material is .2 hours and \$1.00 for material per shelf. A two-coat system using oil based material is recommended for any metal surface. Although water based material is often used, it may cause oxidation, corrosion and rust. One coat of oil based, solid body stain is often used on exterior metal, but it may crack, peel or chip without the proper prime coat application. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Plant-on trim, exterior, 2" x 2" to 2" x 4" wood**

2" x 2" to 2" x 4" rough sawn or resawn wood

Solid body or semi-transparent stain, water base (material #18 or #20)

Roll &amp; brush 1st coat

Slow	80	310	66.75	32.13	7.71	21.53	11.66	11.68	84.71
Medium	100	275	58.40	32.75	9.46	21.24	15.86	9.52	88.83
Fast	120	240	50.10	33.25	11.72	20.88	20.42	6.04	92.31

Roll &amp; brush 2nd coat

Slow	90	350	66.75	28.56	6.85	19.07	10.35	10.37	75.20
Medium	120	325	58.40	27.29	7.87	17.97	13.29	7.97	74.39
Fast	150	300	50.10	26.60	9.40	16.70	16.33	4.83	73.86

Roll &amp; brush 3rd or additional coats

Slow	100	375	66.75	25.70	6.17	17.80	9.44	9.46	68.57
Medium	140	350	58.40	23.39	6.75	16.69	11.71	7.03	65.57
Fast	180	325	50.10	22.17	7.84	15.42	14.08	4.17	63.68

Solid body or semi-transparent stain, oil base (material #19 or #21)

Roll &amp; brush 1st coat

Slow	95	400	74.45	27.05	6.51	18.61	9.91	9.93	72.01
Medium	115	365	65.15	28.48	8.24	17.85	13.64	8.18	76.39
Fast	135	330	55.85	29.56	10.44	16.92	17.64	5.22	79.78

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
Roll & brush 2nd coat									
Slow	105	475	74.45	24.48	5.86	15.67	8.75	8.76	63.52
Medium	135	438	65.15	24.26	7.02	14.87	11.54	6.92	64.61
Fast	165	400	55.85	24.18	8.53	13.96	14.47	4.28	65.42
Roll & brush 3rd or additional coats									
Slow	115	500	74.45	22.35	5.38	14.89	8.09	8.11	58.82
Medium	155	463	65.15	21.13	6.10	14.07	10.33	6.20	57.83
Fast	195	425	55.85	20.46	7.23	13.14	12.65	3.74	57.22
Varnish, flat or gloss (material #30c)									
Roll & brush 1st coat									
Slow	70	270	112.40	36.71	8.83	41.63	16.56	16.59	120.32
Medium	90	255	98.30	36.39	10.51	38.55	21.37	12.82	119.64
Fast	110	240	84.30	36.27	12.80	35.13	26.10	7.72	118.02
Roll & brush 2nd coat									
Slow	80	330	112.40	32.13	7.71	34.06	14.04	14.07	102.01
Medium	110	315	98.30	29.77	8.60	31.21	17.40	10.44	97.42
Fast	140	300	84.30	28.50	10.04	28.10	20.66	6.11	93.41
Roll & brush 3rd or additional coats									
Slow	90	350	112.40	28.56	6.85	32.11	12.83	12.86	93.21
Medium	130	335	98.30	25.19	7.27	29.34	15.45	9.27	86.52
Fast	170	320	84.30	23.47	8.27	26.34	18.01	5.33	81.42

Don't add additional time for plant-on trim if it's painted with the same coating as the adjacent siding. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Use slow rates when cutting-in or masking adjacent surfaces. ADD preparation time for masking adjacent surfaces or protecting windows. Use fast rates when plant-on trim is finished before it's installed or on new construction projects where a prime coat can be sprayed prior to stucco color coat application. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Plant-on trim, exterior, 2" x 6" to 2" x 8" wood</b>									
2" x 6" to 2" x 8" rough sawn or resawn wood									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Roll & brush 1st coat									
Slow	70	210	66.75	36.71	8.83	31.79	14.69	14.72	106.74
Medium	85	175	58.40	38.53	11.11	33.37	20.76	12.46	116.23
Fast	100	140	50.10	39.90	14.08	35.79	27.83	8.23	125.83
Roll & brush 2nd coat									
Slow	80	250	66.75	32.13	7.71	26.70	12.64	12.67	91.85
Medium	110	225	58.40	29.77	8.60	25.96	16.08	9.65	90.06
Fast	140	200	50.10	28.50	10.04	25.05	19.72	5.83	89.14
Roll & brush 3rd or additional coats									
Slow	90	275	66.75	28.56	6.85	24.27	11.34	11.36	82.38
Medium	130	250	58.40	25.19	7.27	23.36	13.96	8.37	78.15
Fast	170	225	50.10	23.47	8.27	22.27	16.75	4.95	75.71
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Roll & brush 1st coat									
Slow	85	300	74.45	30.24	7.24	24.82	11.84	11.87	86.01
Medium	110	265	65.15	29.77	8.60	24.58	15.74	9.44	88.13
Fast	135	230	55.85	29.56	10.44	24.28	19.92	5.89	90.09
Roll & brush 2nd coat									
Slow	95	375	74.45	27.05	6.51	19.85	10.14	10.16	73.71
Medium	125	338	65.15	26.20	7.57	19.28	13.26	7.96	74.27
Fast	155	300	55.85	25.74	9.08	18.62	16.57	4.90	74.91
Roll & brush 3rd or additional coats									
Slow	105	400	74.45	24.48	5.86	18.61	9.30	9.32	67.57
Medium	145	363	65.15	22.59	6.53	17.95	11.77	7.06	65.90
Fast	185	325	55.85	21.57	7.63	17.18	14.37	4.25	65.00
Varnish, flat or gloss (material #30c)									
Roll & brush 1st coat									
Slow	60	170	112.40	42.83	10.30	66.12	22.65	22.70	164.60
Medium	70	155	98.30	46.79	13.53	63.42	30.93	18.56	173.23
Fast	90	140	84.30	44.33	15.64	60.21	37.26	11.02	168.46

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
Roll & brush 2nd coat									
Slow	70	240	112.40	36.71	8.83	46.83	17.55	17.58	127.50
Medium	100	220	98.30	32.75	9.46	44.68	21.72	13.03	121.64
Fast	130	200	84.30	30.69	10.82	42.15	25.94	7.67	117.27
Roll & brush 3rd or additional coats									
Slow	80	260	112.40	32.13	7.71	43.23	15.78	15.82	114.67
Medium	115	240	98.30	28.48	8.24	40.96	19.42	11.65	108.75
Fast	150	220	84.30	26.60	9.40	38.32	23.04	6.81	104.17

Don't add additional time for plant-on trim if it's painted with the same coating as the adjacent siding. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Use slow rates when cutting-in or masking adjacent surfaces. Add preparation time for masking adjacent surfaces or protecting windows. Use fast rates when plant-on trim is finished before it's installed or on new construction projects where a prime coat can be sprayed prior to stucco color coat application. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Plant-on trim, exterior, 2" x 10" to 2" x 12" wood</b>									
2" x 10" to 2" x 12" rough sawn or resawn wood									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Roll & brush 1st coat									
Slow	60	150	66.75	42.83	10.30	44.50	18.55	18.59	134.77
Medium	75	115	58.40	43.67	12.60	50.78	26.77	16.06	149.88
Fast	90	80	50.10	44.33	15.64	62.63	38.01	11.24	171.85
Roll & brush 2nd coat									
Slow	70	190	66.75	36.71	8.83	35.13	15.32	15.36	111.35
Medium	110	165	58.40	29.77	8.60	35.39	18.44	11.06	103.26
Fast	130	140	50.10	30.69	10.82	35.79	23.97	7.09	108.36
Roll & brush 3rd or additional coats									
Slow	80	215	66.75	32.13	7.71	31.05	13.47	13.50	97.86
Medium	120	190	58.40	27.29	7.87	30.74	16.48	9.89	92.27
Fast	160	165	50.10	24.94	8.80	30.36	19.87	5.88	89.85
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Roll & brush 1st coat									
Slow	70	290	74.45	36.71	8.83	25.67	13.53	13.56	98.30
Medium	85	255	65.15	38.53	11.11	25.55	18.81	11.28	105.28
Fast	100	220	55.85	39.90	14.08	25.39	24.60	7.28	111.25
Roll & brush 2nd coat									
Slow	80	315	74.45	32.13	7.71	23.63	12.06	12.08	87.61
Medium	110	278	65.15	29.77	8.60	23.44	15.45	9.27	86.53
Fast	140	240	55.85	28.50	10.04	23.27	19.17	5.67	86.65
Roll & brush 3rd or additional coats									
Slow	90	340	74.45	28.56	6.85	21.90	10.89	10.91	79.11
Medium	130	303	65.15	25.19	7.27	21.50	13.49	8.10	75.55
Fast	170	265	55.85	23.47	8.27	21.08	16.38	4.84	74.04
Varnish, flat or gloss (material #30c)									
Roll & brush 1st coat									
Slow	50	120	112.40	51.40	12.34	93.67	29.91	29.97	217.29
Medium	65	100	98.30	50.38	14.54	98.30	40.81	24.49	228.52
Fast	80	80	84.30	49.88	17.60	105.38	53.59	15.85	242.30

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
Roll & brush 2nd coat									
Slow	60	190	112.40	42.83	10.30	59.16	21.33	21.38	155.00
Medium	90	165	98.30	36.39	10.51	59.58	26.62	15.97	149.07
Fast	120	140	84.30	33.25	11.72	60.21	32.61	9.65	147.44
Roll & brush 3rd or additional coats									
Slow	70	200	112.40	36.71	8.83	56.20	19.33	19.37	140.44
Medium	110	175	98.30	29.77	8.60	56.17	23.64	14.18	132.36
Fast	150	150	84.30	26.60	9.40	56.20	28.58	8.45	129.23

Don't add additional time for plant-on trim if it's painted with the same coating as the adjacent siding. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Use slow rates when cutting-in or masking adjacent surfaces. Add preparation time for masking adjacent surfaces or protecting windows. Use fast rates when plant-on trim is finished before it's installed or on new construction projects where a prime coat can be sprayed prior to stucco color coat application. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Plaster or stucco, exterior, medium texture, brush application</b>									
Masonry paint, water base, flat or gloss (material #31)									
Brush 1st coat									
Slow	100	225	65.10	25.70	6.17	28.93	11.55	11.58	83.93
Medium	120	213	57.00	27.29	7.87	26.76	15.49	9.29	86.70
Fast	140	200	48.80	28.50	10.04	24.40	19.52	5.77	88.23
Brush 2nd coat									
Slow	150	250	65.10	17.13	4.13	26.04	8.98	9.00	65.28
Medium	163	230	57.00	20.09	5.78	24.78	12.67	7.60	70.92
Fast	175	210	48.80	22.80	8.02	23.24	16.77	4.96	75.79
Brush 3rd or additional coats									
Slow	160	270	65.10	16.06	3.86	24.11	8.36	8.38	60.77
Medium	173	245	57.00	18.93	5.47	23.27	11.92	7.15	66.74
Fast	185	220	48.80	21.57	7.63	22.18	15.92	4.71	72.01
Masonry paint, oil base (material #32)									
Brush 1st coat									
Slow	80	265	86.10	32.13	7.71	32.49	13.74	13.77	99.84
Medium	100	250	75.40	32.75	9.46	30.16	18.09	10.86	101.32
Fast	120	235	64.60	33.25	11.72	27.49	22.47	6.65	101.58
Brush 2nd coat									
Slow	145	300	86.10	17.72	4.27	28.70	9.63	9.65	69.97
Medium	165	275	75.40	19.85	5.73	27.42	13.25	7.95	74.20
Fast	185	250	64.60	21.57	7.63	25.84	17.06	5.05	77.15
Brush 3rd or additional coats									
Slow	155	350	86.10	16.58	3.98	24.60	8.58	8.60	62.34
Medium	175	325	75.40	18.71	5.39	23.20	11.83	7.10	66.23
Fast	195	300	64.60	20.46	7.23	21.53	15.26	4.51	68.99

For heights above 8 feet, use the High Time Difficulty Factors on page 139. For oil base paint and clear hydro sealer, I recommend spraying. For painting interior plaster, see Walls, plaster. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Plaster or stucco, exterior, medium texture, roll application</b>									
Masonry paint, water base, flat or gloss (material #31)									
Roll 1st coat									
Slow	245	200	65.10	10.49	2.51	32.55	8.66	8.68	62.89
Medium	273	175	57.00	12.00	3.45	32.57	12.01	7.21	67.24
Fast	300	150	48.80	13.30	4.68	32.53	15.66	4.63	70.80
Roll 2nd coat									
Slow	300	225	65.10	8.57	2.04	28.93	7.52	7.53	54.59
Medium	320	200	57.00	10.23	2.98	28.50	10.42	6.25	58.38
Fast	340	175	48.80	11.74	4.13	27.89	13.57	4.01	61.34
Roll 3rd or additional coats									
Slow	320	250	65.10	8.03	1.95	26.04	6.84	6.85	49.71
Medium	340	225	57.00	9.63	2.78	25.33	9.44	5.66	52.84
Fast	360	200	48.80	11.08	3.93	24.40	12.21	3.61	55.23
Masonry paint, oil base (material #32)									
Roll 1st coat									
Slow	200	250	86.10	12.85	3.09	34.44	9.57	9.59	69.54
Medium	240	225	75.40	13.65	3.95	33.51	12.78	7.67	71.56
Fast	280	200	64.60	14.25	5.02	32.30	15.99	4.73	72.29
Roll 2nd coat									
Slow	220	275	86.10	11.68	2.82	31.31	8.70	8.72	63.23
Medium	265	250	75.40	12.36	3.55	30.16	11.52	6.91	64.50
Fast	305	225	64.60	13.08	4.63	28.71	14.39	4.26	65.07
Roll 3rd or additional coats									
Slow	235	300	86.10	10.94	2.64	28.70	8.03	8.05	58.36
Medium	285	275	75.40	11.49	3.33	27.42	10.56	6.33	59.13
Fast	335	250	64.60	11.91	4.23	25.84	13.00	3.85	58.83

For heights above 8 feet, use the High Time Difficulty Factors on page 139. For oil base paint and clear hydro sealer, I recommend spraying. For painting interior plaster, see Walls, plaster. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Plaster or stucco, exterior, medium texture, spray application</b>									
Masonry paint, water base, flat or gloss (material #31)									
Spray prime coat									
Slow	600	150	65.10	4.28	1.04	43.40	9.25	9.27	67.24
Medium	675	120	57.00	4.85	1.40	47.50	13.44	8.06	75.25
Fast	750	90	48.80	5.32	1.86	54.22	19.04	5.63	86.07
Spray 2nd coat									
Slow	700	175	65.10	3.67	.89	37.20	7.93	7.95	57.64
Medium	800	150	57.00	4.09	1.19	38.00	10.82	6.49	60.59
Fast	900	125	48.80	4.43	1.56	39.04	13.96	4.13	63.12
Spray 3rd or additional coats									
Slow	750	200	65.10	3.43	.81	32.55	6.99	7.01	50.79
Medium	850	168	57.00	3.85	1.13	33.93	9.72	5.83	54.46
Fast	950	135	48.80	4.20	1.47	36.15	12.97	3.84	58.63
Masonry paint, oil base (material #32)									
Spray prime coat									
Slow	550	200	86.10	4.67	1.13	43.05	9.28	9.30	67.43
Medium	600	145	75.40	5.46	1.59	52.00	14.76	8.86	82.67
Fast	650	90	64.60	6.14	2.17	71.78	24.83	7.34	112.26
Spray 2nd coat									
Slow	650	225	86.10	3.95	.96	38.27	8.20	8.22	59.60
Medium	700	175	75.40	4.68	1.36	43.09	12.28	7.37	68.78
Fast	750	125	64.60	5.32	1.86	51.68	18.25	5.40	82.51
Spray 3rd or additional coats									
Slow	700	250	86.10	3.67	.89	34.44	7.41	7.42	53.83
Medium	750	193	75.40	4.37	1.24	39.07	11.18	6.71	62.57
Fast	800	135	64.60	4.99	1.76	47.85	16.93	5.01	76.54

For heights above 8 feet, use the High Time Difficulty Factors on page 139. For oil base paint and clear hydro sealer, I recommend spraying. For painting interior plaster, see Walls, plaster. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Plaster or stucco, exterior, medium texture, waterproofing</b>									
Waterproofing, clear hydro sealer (material #34)									
Brush 1st coat									
Slow	125	175	70.90	20.56	4.94	40.51	12.54	12.57	91.12
Medium	150	163	62.10	21.83	6.32	38.10	16.56	9.94	92.75
Fast	175	150	53.20	22.80	8.02	35.47	20.56	6.08	92.93
Brush 2nd or additional coats									
Slow	175	200	70.90	14.69	3.51	35.45	10.20	10.22	74.07
Medium	200	188	62.10	16.38	4.73	33.03	13.54	8.12	75.80
Fast	225	175	53.20	17.73	6.24	30.40	16.86	4.99	76.22
Roll 1st coat									
Slow	325	150	70.90	7.91	1.91	47.27	10.85	10.87	78.81
Medium	363	138	62.10	9.02	2.59	45.00	14.16	8.49	79.26
Fast	400	125	53.20	9.98	3.52	42.56	17.38	5.14	78.58
Roll 2nd or additional coats									
Slow	400	175	70.90	6.43	1.54	40.51	9.21	9.23	66.92
Medium	425	163	62.10	7.71	2.21	38.10	12.01	7.21	67.24
Fast	450	150	53.20	8.87	3.11	35.47	14.72	4.35	66.52
Spray 1st coat									
Slow	650	125	70.90	3.95	.96	56.72	11.71	11.73	85.07
Medium	700	113	62.10	4.68	1.36	54.96	15.25	9.15	85.40
Fast	750	100	53.20	5.32	1.86	53.20	18.72	5.54	84.64
Spray 2nd or additional coats									
Slow	750	150	70.90	3.43	.81	47.27	9.79	9.81	71.11
Medium	825	138	62.10	3.97	1.14	45.00	12.53	7.52	70.16
Fast	900	125	53.20	4.43	1.56	42.56	15.05	4.45	68.05

For heights above 8 feet, use the High Time Difficulty Factors on page 139. For oil base paint and clear hydro sealer, I recommend spraying. For painting interior plaster, see Walls, plaster. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

**Plaster, interior: see Walls**

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Plaster or stucco, interior/exterior, medium texture, anti-graffiti stain eliminator</b>									
Water base primer and sealer (material #39)									
Roll & brush each coat									
Slow	350	400	75.60	7.34	1.77	18.90	5.32	5.33	38.66
Medium	375	375	66.20	8.73	2.54	17.65	7.23	4.34	40.49
Fast	400	350	56.70	9.98	3.52	16.20	9.21	2.72	41.63
Oil base primer and sealer (material #40)									
Roll & brush each coat									
Slow	350	375	81.90	7.34	1.77	21.84	5.88	5.89	42.72
Medium	375	350	71.60	8.73	2.54	20.46	7.93	4.76	44.42
Fast	400	325	61.40	9.98	3.52	18.89	10.04	2.97	45.40
Polyurethane 2 part system (material #41)									
Roll & brush each coat									
Slow	300	375	251.60	8.57	2.04	67.09	14.77	14.80	107.27
Medium	325	350	220.20	10.08	2.92	62.91	18.98	11.39	106.28
Fast	350	325	188.70	11.40	4.04	58.06	22.78	6.74	103.02

For heights above 8 feet, use the High Time Difficulty Factors on page 139. For oil base paint and clear hydro sealer, I recommend spraying. For painting interior plaster, see Walls, plaster. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Pot shelves, 12" to 18" wide</b>									
Solid body or semi-transparent stain, water or oil base (material #18 or #19 or #20 or #21)									
Roll & brush each coat									
Slow	50	50	70.60	51.40	12.34	141.20	38.94	39.02	282.90
Medium	68	45	61.78	48.16	13.93	137.29	49.84	29.91	279.13
Fast	75	40	52.98	53.20	18.76	132.45	63.37	18.75	286.53

These figures are based on painting all sides of exterior or interior pot shelves. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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### Railing, exterior, rough sawn or resawn wood

Solid body or semi-transparent stain, water or oil base (material #18 or #19 or #20 or #21)

Roll & brush each coat

Slow	16	20	70.60	160.63	38.56	353.00	104.91	105.13	762.23
Medium	18	18	61.78	181.94	52.58	343.22	144.44	86.66	808.84
Fast	20	15	52.98	199.50	70.40	353.20	193.17	57.14	873.41

Use these costs for finishing railing that's 36" to 42" high and with 2" x 2" verticals spaced 4" to 6" on center. These figures include painting the rail cap, baluster, newels and spindles. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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### Railing, exterior, stain grade, decorative wood

STEP 1: Sand & putty

Slow	50	--	--	51.40	12.34	--	12.11	12.14	87.99
Medium	60	--	--	54.58	15.78	--	17.59	10.55	98.50
Fast	70	--	--	57.00	20.14	--	23.91	7.07	108.12

STEP 2 & 3: Stain (material #30a) & wipe

Brush & wipe, 1 coat

Slow	25	60	84.90	102.80	24.68	141.50	51.10	51.21	371.29
Medium	30	55	74.30	109.17	31.52	135.09	68.95	41.37	386.10
Fast	35	50	63.70	114.00	40.22	127.40	87.31	25.83	394.76

Spray & wipe, 1 coat

Slow	75	35	84.90	34.27	8.21	242.57	54.16	54.28	393.49
Medium	85	30	74.30	38.53	11.11	247.67	74.34	44.60	416.25
Fast	95	25	63.70	42.00	14.84	254.80	96.61	28.58	436.83

STEP 4 & 5: Sanding sealer (material #30b) & light sand

Brush 1 coat

Slow	45	65	95.60	57.11	13.71	147.08	41.40	41.49	300.79
Medium	50	60	83.70	65.50	18.92	139.50	55.98	33.59	313.49
Fast	55	55	71.70	72.55	25.59	130.36	70.84	20.96	320.30

Spray 1 coat

Slow	125	35	95.60	20.56	4.94	273.14	56.74	56.86	412.24
Medium	138	30	83.70	23.73	6.87	279.00	77.40	46.44	433.44
Fast	150	25	71.70	26.60	9.40	286.80	100.06	29.60	452.46

# National Painting Cost Estimator

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
STEP 6 & 7: Varnish 2 coats (material #30c)									
Varnish, flat or gloss (material #30c)									
Brush 1st coat									
Slow	22	100	112.40	116.82	28.03	112.40	48.88	48.98	355.11
Medium	24	90	98.30	136.46	39.43	109.22	71.28	42.77	399.16
Fast	26	80	84.30	153.46	54.15	105.38	97.03	28.70	438.72
Brush 2nd or additional coats									
Slow	30	120	112.40	85.67	20.55	93.67	37.98	38.06	275.93
Medium	32	110	98.30	102.34	29.57	89.36	55.32	33.19	309.78
Fast	34	100	84.30	117.35	41.41	84.30	75.35	22.29	340.70
Spray 1st coat									
Slow	65	65	112.40	39.54	9.48	172.92	42.17	42.26	306.37
Medium	70	60	98.30	46.79	13.53	163.83	56.04	33.62	313.81
Fast	75	55	84.30	53.20	18.76	153.27	69.83	20.66	315.72
Spray 2nd or additional coats									
Slow	65	65	112.40	39.54	9.48	172.92	42.17	42.26	306.37
Medium	70	60	98.30	46.79	13.53	163.83	56.04	33.62	313.81
Fast	75	55	84.30	53.20	18.76	153.27	69.83	20.66	315.72
STEP 8: Steel wool, hand buff									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	113	--	--	28.98	8.38	--	9.34	5.60	52.30
Fast	125	--	--	31.92	11.26	--	13.39	3.96	60.53
STEP 9: Wax & polish by hand									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	113	--	--	28.98	8.38	--	9.34	5.60	52.30
Fast	125	--	--	31.92	11.26	--	13.39	3.96	60.53
Complete 9 step process (material #30)									
Brush stain, brush sanding sealer, brush varnish									
Slow	6	40	97.60	428.33	102.85	244.00	147.27	147.58	1070.03
Medium	7	35	85.50	467.86	135.15	244.29	211.84	127.10	1186.24
Fast	8	30	73.20	498.75	176.00	244.00	284.83	84.25	1287.83
Spray stain, spray sanding sealer, brush varnish									
Slow	11	30	97.60	233.64	56.09	325.33	116.86	117.10	849.02
Medium	14	27	85.50	233.93	67.58	316.67	154.55	92.73	865.46
Fast	17	24	73.20	234.71	82.80	305.00	192.99	57.09	872.59

Use these figures to estimate the cost of applying a natural finish on stain grade railing that's from 36" to 42" high and with spindles spaced at 4" to 6" on center. These figures include painting the rail cap, baluster, newels and spindles. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Railing, interior, handrail, decorative wood**

Paint grade

Undercoat or enamel, water or oil base (material #3 or #4 or #9 or #10)

Brush each coat

Slow	30	120	88.63	85.67	20.55	73.86	34.22	34.29	248.59
Medium	35	110	77.55	93.57	27.02	70.50	47.78	28.67	267.54
Fast	40	100	66.48	99.75	35.20	66.48	62.45	18.47	282.35

Stain grade, 7 step process

Stain, seal and 2 coat lacquer system (material #11)

Spray all coats

Slow	55	100	83.50	46.73	11.21	83.50	26.88	26.93	195.25
Medium	60	88	73.00	54.58	15.78	82.95	38.33	23.00	214.64
Fast	65	75	62.60	61.38	21.64	83.47	51.62	15.27	233.38

Use these costs for finishing decorative wood, wall mounted handrail. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Railing, interior, stain grade, decorative wood**

Stain, seal and 2 coat lacquer system (7 step process)

STEP 1: Sand & putty

Slow	50	--	--	51.40	12.34	--	12.11	12.14	87.99
Medium	60	--	--	54.58	15.78	--	17.59	10.55	98.50
Fast	70	--	--	57.00	20.14	--	23.91	7.07	108.12

STEP 2 & 3: Stain (material #11a) & wipe

Brush & wipe, 1 coat

Slow	25	60	87.30	102.80	24.68	145.50	51.86	51.97	376.81
Medium	30	55	76.40	109.17	31.52	138.91	69.91	41.94	391.45
Fast	35	50	65.50	114.00	40.22	131.00	88.42	26.16	399.80

Spray & wipe, 1 coat

Slow	75	35	87.30	34.27	8.21	249.43	55.46	55.58	402.95
Medium	85	30	76.40	38.53	11.11	254.67	76.09	45.65	426.05
Fast	95	25	65.50	42.00	14.84	262.00	98.84	29.24	446.92

National Painting Cost Estimator

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
STEP 4 & 5: Sanding sealer (material #11b) & light sand									
Brush 1 coat									
Slow	45	65	70.90	57.11	13.71	109.08	34.18	34.25	248.33
Medium	50	60	62.10	65.50	18.92	103.50	46.98	28.19	263.09
Fast	55	55	53.20	72.55	25.59	96.73	60.42	17.87	273.16
Spray 1 coat									
Slow	125	35	70.90	20.56	4.94	202.57	43.33	43.42	314.82
Medium	138	30	62.10	23.73	6.87	207.00	59.40	35.64	332.64
Fast	150	25	53.20	26.60	9.40	212.80	77.12	22.81	348.73
STEP 6 & 7: Lacquer (material #11c), 2 coats									
Brush 1st coat									
Slow	40	65	87.80	64.25	15.43	135.08	40.80	40.89	296.45
Medium	50	60	76.80	65.50	18.92	128.00	53.11	31.86	297.39
Fast	60	55	65.90	66.50	23.48	119.82	65.03	19.24	294.07
Brush 2nd coat									
Slow	45	70	87.80	57.11	13.71	125.43	37.29	37.37	270.91
Medium	55	65	76.80	59.55	17.19	118.15	48.73	29.24	272.86
Fast	65	60	65.90	61.38	21.64	109.83	59.79	17.69	270.33
Spray 1st coat									
Slow	75	55	87.80	34.27	8.21	159.64	38.40	38.48	279.00
Medium	85	50	76.80	38.53	11.11	153.60	50.82	30.49	284.55
Fast	95	45	65.90	42.00	14.84	146.44	63.01	18.64	284.93
Spray 2nd coat									
Slow	85	60	87.80	30.24	7.24	146.33	34.93	35.00	253.74
Medium	95	55	76.80	34.47	9.98	139.64	46.02	27.61	257.72
Fast	105	50	65.90	38.00	13.39	131.80	56.80	16.80	256.79
Complete stain, seal & 2 coat lacquer system (material #11)									
Brush all coats									
Slow	8	30	83.50	321.25	77.13	278.33	128.57	128.84	934.12
Medium	10	25	73.00	327.50	94.60	292.00	178.54	107.12	999.76
Fast	12	20	62.60	332.50	117.32	313.00	236.49	69.96	1069.27
Spray all coats									
Slow	16	20	83.50	160.63	38.56	417.50	117.17	117.42	851.28
Medium	20	15	73.00	163.75	47.30	486.67	174.44	104.66	976.82
Fast	24	10	62.60	166.25	58.68	626.00	263.79	78.03	1192.75

Use these costs for applying stain, sanding sealer and lacquer to interior railings. Typical railing is 36" to 42" height with spindles spaced at 4" to 6" on center. These costs include finishing the rail cap, baluster, newels and spindles. The typical application is one coat of stain, one coat of sanding sealer, sand, putty, and two coats of lacquer. For rough sawn wood railing with 2" x 2" spindles spaced at 4" to 6" on center, see the tables for Exterior wood railing. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Railing, interior, wood, paint grade, brush application</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	11	50	63.85	233.64	56.09	127.70	79.31	79.48	576.22
Medium	14	45	55.90	233.93	67.58	124.22	106.44	63.86	596.03
Fast	17	40	47.95	234.71	82.80	119.88	135.61	40.11	613.11
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 and #9, or material #4 and #10)									
Brush 1 coat									
Slow	15	70	88.63	171.33	41.15	126.61	64.42	64.56	468.07
Medium	18	65	77.55	181.94	52.58	119.31	88.46	53.07	495.36
Fast	21	60	66.48	190.00	67.05	110.80	114.04	33.73	515.62
Enamel, water or oil base (material #9 or #10)									
Brush 1st finish coat									
Slow	13	60	113.40	197.69	47.45	189.00	82.49	82.66	599.29
Medium	16	55	99.20	204.69	59.12	180.36	111.05	66.63	621.85
Fast	18	50	85.00	221.67	78.24	170.00	145.68	43.09	658.68
Brush 2nd or additional finish coats									
Slow	15	70	113.40	171.33	41.15	162.00	71.15	71.30	516.93
Medium	18	65	99.20	181.94	52.58	152.62	96.79	58.07	542.00
Fast	21	60	85.00	190.00	67.05	141.67	123.61	36.56	558.89

Use these costs for applying undercoat or enamel to interior railings. Railing is based on a 36" to 42" height and with spindles spaced at 4" to 6" on center. These costs include painting the rail cap, baluster, newels and spindles. For rough sawn wood railing with 2" x 2" spindles spaced at 6" on center, see the tables for Exterior wood railing. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Railing, interior, wood, paint grade, spray application</b>									
Undercoat, water or oil base (material #3 or #4)									
Spray 1 coat									
Slow	50	40	63.85	51.40	12.34	159.63	42.44	42.53	308.34
Medium	60	35	55.90	54.58	15.78	159.71	57.52	34.51	322.10
Fast	70	30	47.95	57.00	20.14	159.83	73.45	21.73	332.15
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 and #9, or material #4 and #10)									
Spray 1 coat									
Slow	65	50	88.63	39.54	9.48	177.26	43.00	43.09	312.37
Medium	75	45	77.55	43.67	12.60	172.33	57.16	34.29	320.05
Fast	85	40	66.48	46.94	16.54	166.20	71.21	21.06	321.95
Enamel, water or oil base (material #9 or #10)									
Spray 1st finish coat									
Slow	55	45	113.40	46.73	11.21	252.00	58.89	59.01	427.84
Medium	65	40	99.20	50.38	14.54	248.00	78.24	46.94	438.10
Fast	75	35	85.00	53.20	18.76	242.86	97.60	28.87	441.29
Spray 2nd or additional finish coats									
Slow	65	50	113.40	39.54	9.48	226.80	52.41	52.52	380.75
Medium	75	45	99.20	43.67	12.60	220.44	69.18	41.51	387.40
Fast	85	40	85.00	46.94	16.54	212.50	85.56	25.31	386.85

Use these costs for applying undercoat or enamel to interior railings. Railing is based on a 36" to 42" height and with spindles spaced at 4" to 6" on center. These costs include painting the rail cap, baluster, newels and spindles. For rough sawn wood railing with 2" x 2" spindles spaced at 6" on center, see the tables for Exterior wood railing. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Railing, wrought iron, 36" to 42" high bars with wood cap</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Brush 1 coat									
Slow	15	90	75.10	171.33	41.15	83.44	56.22	56.34	408.48
Medium	18	85	65.70	181.94	52.58	77.29	77.95	46.77	436.53
Fast	20	80	56.30	199.50	70.40	70.38	105.49	31.21	476.98
Metal primer, rust inhibitor, rusty metal (material #36)									
Brush 1 coat									
Slow	15	90	95.10	171.33	41.15	105.67	60.44	60.57	439.16
Medium	18	85	83.20	181.94	52.58	97.88	83.10	49.86	465.36
Fast	20	80	71.30	199.50	70.40	89.13	111.31	32.93	503.27
Metal finish, synthetic enamel, off white, gloss, interior or exterior - (material #37)									
Brush 1st finish coat									
Slow	20	110	78.60	128.50	30.85	71.45	43.85	43.94	318.59
Medium	23	100	68.80	142.39	41.14	68.80	63.09	37.85	353.27
Fast	26	90	59.00	153.46	54.15	65.56	84.69	25.05	382.91
Brush 2nd or additional finish coats									
Slow	30	125	78.60	85.67	20.55	62.88	32.13	32.20	233.43
Medium	35	120	68.80	93.57	27.02	57.33	44.49	26.69	249.10
Fast	40	115	59.00	99.75	35.20	51.30	57.74	17.08	261.07
Metal finish, synthetic enamel, colors (except orange/red), gloss, interior or exterior - (material #38)									
Brush 1st finish coat									
Slow	20	110	75.70	128.50	30.85	68.82	43.35	43.44	314.96
Medium	23	100	66.20	142.39	41.14	66.20	62.44	37.46	349.63
Fast	26	90	56.70	153.46	54.15	63.00	83.90	24.82	379.33
Brush 2nd or additional finish coats									
Slow	30	125	75.70	85.67	20.55	60.56	31.69	31.76	230.23
Medium	35	120	66.20	93.57	27.02	55.17	43.95	26.37	246.08
Fast	40	115	56.70	99.75	35.20	49.30	57.12	16.90	258.27

Use these figures for painting prefabricated preprimed wrought iron railing which is 36" to 42" high with 1/2" square vertical bars at 4" to 6" on center with a stain grade wood cap supported by a 1/2" by 1-1/2" top rail, and 1" square support posts at 6' to 10' on center and with a 1/2" by 1-1/2" bottom rail, unless otherwise noted. The metal finish figures include only minor touchup of pre-primed steel or wrought iron prefabricated railings. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. Using one coat of oil base paint on exterior metal may result in cracking, peeling, or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is a light color also, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Railing, wrought iron, 36" to 42" high bars with wrought iron cap</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Brush 1 coat									
Slow	20	110	75.10	128.50	30.85	68.27	43.25	43.34	314.21
Medium	25	105	65.70	131.00	37.84	62.57	57.86	34.71	323.98
Fast	30	100	56.30	133.00	46.92	56.30	73.24	21.66	331.12
Metal primer, rust inhibitor, rusty metal (material #36)									
Brush 1 coat									
Slow	20	110	95.10	128.50	30.85	86.45	46.70	46.80	339.30
Medium	25	105	83.20	131.00	37.84	79.24	62.03	37.22	347.33
Fast	30	100	71.30	133.00	46.92	71.30	77.89	23.04	352.15
Metal finish, synthetic enamel, off white, gloss, interior or exterior - (material #37)									
Brush 1st finish coat									
Slow	25	120	78.60	102.80	24.68	65.50	36.66	36.74	266.38
Medium	30	115	68.80	109.17	31.52	59.83	50.14	30.08	280.74
Fast	35	110	59.00	114.00	40.22	53.64	64.44	19.06	291.36
Brush 2nd or additional finish coats									
Slow	35	135	78.60	73.43	17.62	58.22	28.36	28.42	206.05
Medium	40	130	68.80	81.88	23.65	52.92	39.62	23.77	221.84
Fast	45	125	59.00	88.67	31.27	47.20	51.82	15.33	234.29
Metal finish, synthetic enamel, colors (except orange/red), gloss, interior or exterior - (material #38)									
Brush 1st finish coat									
Slow	25	120	75.70	102.80	24.68	63.08	36.20	36.28	263.04
Medium	30	115	66.20	109.17	31.52	57.57	49.57	29.74	277.57
Fast	35	110	56.70	114.00	40.22	51.55	63.79	18.87	288.43
Brush 2nd or additional finish coats									
Slow	35	135	75.70	73.43	17.62	56.07	27.95	28.01	203.08
Medium	40	130	66.20	81.88	23.65	50.92	39.12	23.47	219.04
Fast	45	125	56.70	88.67	31.27	45.36	51.25	15.16	231.71

Use these figures for painting prefabricated preprimed wrought iron railing which is 36" to 42" high with 1/2" square vertical bars at 4" to 6" on center and a 1/2" by 1-1/2" wrought iron cap with 1" square support posts at 6' to 10' on center, and a 1/2" by 1-1/2" bottom rail, unless otherwise noted. The metal finish figures include only minor touchup of pre-primed steel or wrought iron prefabricated railings. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. Using one coat of oil base paint on exterior metal may result in cracking, peeling, or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Railing, wrought iron, 60" to 72" high bars with wrought iron cap</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Brush 1 coat									
Slow	10	90	75.10	257.00	61.70	83.44	76.40	76.56	555.10
Medium	15	85	65.70	218.33	63.08	77.29	89.68	53.81	502.19
Fast	20	80	56.30	199.50	70.40	70.38	105.49	31.21	476.98
Metal primer, rust inhibitor, rusty metal (material #36)									
Brush 1 coat									
Slow	10	90	95.10	257.00	61.70	105.67	80.63	80.80	585.80
Medium	15	85	83.20	218.33	63.08	97.88	94.83	56.90	531.02
Fast	20	80	71.30	199.50	70.40	89.13	111.31	32.93	503.27
Metal finish, synthetic enamel, off white, gloss, interior or exterior - (material #37)									
Brush 1st finish coat									
Slow	15	120	78.60	171.33	41.15	65.50	52.81	52.92	383.71
Medium	20	115	68.80	163.75	47.30	59.83	67.73	40.64	379.25
Fast	25	110	59.00	159.60	56.32	53.64	83.57	24.72	377.85
Brush 2nd or additional finish coats									
Slow	25	135	78.60	102.80	24.68	58.22	35.28	35.36	256.34
Medium	30	130	68.80	109.17	31.52	52.92	48.41	29.05	271.07
Fast	35	125	59.00	114.00	40.22	47.20	62.45	18.47	282.34
Metal finish, synthetic enamel, colors (except orange/red), gloss, interior or exterior - (material #38)									
Brush 1st finish coat									
Slow	15	120	75.70	171.33	41.15	63.08	52.35	52.46	380.37
Medium	20	115	66.20	163.75	47.30	57.57	67.16	40.30	376.08
Fast	25	110	56.70	159.60	56.32	51.55	82.92	24.53	374.92
Brush 2nd or additional finish coats									
Slow	25	135	75.70	102.80	24.68	56.07	34.87	34.95	253.37
Medium	30	130	66.20	109.17	31.52	50.92	47.91	28.75	268.27
Fast	35	125	56.70	114.00	40.22	45.36	61.88	18.30	279.76

Use these figures for painting prefabricated preprimed wrought iron railing which is 60" to 72" high with 1/2" square vertical bars at 4" to 6" on center with 1" square support posts at 6' to 10' on center and with a 1/2" by 1-1/2" bottom rail, unless otherwise noted. The metal finish figures include only minor touchup of pre-primed steel or wrought iron prefabricated railings. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. Using one coat of oil base paint on exterior metal may result in cracking, peeling, or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	SF floor per manhour	Material SF floor per can	Material cost per can	Labor per 100 SF floor	Labor burden 100 SF	Material per 100 SF floor	Overhead per 100 SF floor	Profit per 100 SF floor	Total per 100 SF floor
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**Registers, HVAC, per 100 square feet of floor area**

Repaint jobs, spray cans (material #17)

Spray 1 coat

Slow	900	700	17.70	2.86	.68	2.53	1.16	1.16	8.39
Medium	950	650	15.50	3.45	.98	2.38	1.71	1.02	9.54
Fast	1000	600	13.30	3.99	1.41	2.22	2.36	.70	10.68

New construction projects, spray cans (material #17)

Spray 1 coat

Slow	2500	800	17.70	1.03	.24	2.21	.66	.66	4.80
Medium	2750	750	15.50	1.19	.33	2.07	.90	.54	5.03
Fast	3000	700	13.30	1.33	.45	1.90	1.15	.34	5.17

These costs assume HVAC registers are painted with spray cans (bombs) to match the adjacent walls. Costs are based on square footage of the floor area of the building. These rates include time to remove, paint and replace the HVAC registers. Use the square feet of floor area divided by these rates to find manhours and the number of spray bombs needed to paint all the heat registers in a building. *Rule of Thumb*: 2 minutes per 100 square feet of floor is for new construction projects. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per 1500 SF roof	Material gallons 1500 SF	Material cost per gallon	Labor per 1500 SF roof	Labor burden 1500 SF	Material per 1500 SF roof	Overhead per 1500 SF roof	Profit per 1500 SF roof	Total per 1500 SF roof
<b>Roof jacks, per 1500 square feet of roof area</b>									
Metal primer, clean metal (material #35)									
1 story building, brush prime coat									
Slow	0.40	0.30	75.10	10.28	2.47	22.53	6.70	6.72	48.70
Medium	0.35	0.33	65.70	11.46	3.31	21.68	9.11	5.47	51.03
Fast	0.30	0.35	56.30	11.97	4.23	19.71	11.13	3.29	50.33
2 story building, brush prime coat									
Slow	0.50	0.40	75.10	12.85	3.09	30.04	8.73	8.75	63.46
Medium	0.45	0.43	65.70	14.74	4.26	28.25	11.81	7.09	66.15
Fast	0.40	0.45	56.30	15.96	5.63	25.34	14.55	4.30	65.78
Metal primer, rusty metal (material #36)									
1 story building, brush prime coat									
Slow	0.40	0.30	95.10	10.28	2.47	28.53	7.84	7.86	56.98
Medium	0.35	0.33	83.20	11.46	3.31	27.46	10.56	6.33	59.12
Fast	0.30	0.35	71.30	11.97	4.23	24.96	12.76	3.77	57.69
2 story building, brush prime coat									
Slow	0.50	0.40	95.10	12.85	3.09	38.04	10.25	10.28	74.51
Medium	0.45	0.43	83.20	14.74	4.26	35.78	13.70	8.22	76.70
Fast	0.40	0.45	71.30	15.96	5.63	32.09	16.64	4.92	75.24
Metal finish, synthetic enamel - off white, gloss, interior or exterior (material #37)									
1 story building, brush each coat									
Slow	0.30	0.20	78.60	7.71	1.85	15.72	4.80	4.81	34.89
Medium	0.25	0.25	68.80	8.19	2.36	17.20	6.94	4.16	38.85
Fast	0.20	0.30	59.00	7.98	2.82	17.70	8.84	2.61	39.95
2 story building, brush each coat									
Slow	0.40	0.30	78.60	10.28	2.47	23.58	6.90	6.92	50.15
Medium	0.35	0.33	68.80	11.46	3.31	22.70	9.37	5.62	52.46
Fast	0.30	0.35	59.00	11.97	4.23	20.65	11.42	3.38	51.65

	Manhours per 1500 SF roof	Material gallons 1500 SF	Material cost per gallon	Labor per 1500 SF roof	Labor burden 1500 SF	Material per 1500 SF roof	Overhead per 1500 SF roof	Profit per 1500 SF roof	Total per 1500 SF roof
Metal finish, synthetic enamel, colors (except orange/red), gloss, interior or exterior - (material #38)									
1 story building, brush each coat									
Slow	0.30	0.20	75.70	7.71	1.85	15.14	4.69	4.70	34.09
Medium	0.25	0.25	66.20	8.19	2.36	16.55	6.78	4.07	37.95
Fast	0.20	0.30	56.70	7.98	2.82	17.01	8.62	2.55	38.98
2 story building, brush each coat									
Slow	0.40	0.30	75.70	10.28	2.47	22.71	6.74	6.75	48.95
Medium	0.35	0.33	66.20	11.46	3.31	21.85	9.16	5.49	51.27
Fast	0.30	0.35	56.70	11.97	4.23	19.85	11.18	3.31	50.54

Production rates and coverage figures are minimum values based on 1 or 2 story roof areas of up to 1500 square feet. For example, to apply metal primer on clean metal roof jacks on a 3000 SF one-story building at a medium rate, use two times the cost of \$51.03 or \$102.06. This figure includes ladder time. See the paragraphs below on Roof pitch difficulty factors and Roof area conversion factors to adjust for roof slope and type. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. One coat of oil base solid body stain is often used on exterior metal but it may crack, peel or chip without the proper prime coat application. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

### Roof area conversion factors

For an arched roof, multiply the building length by the building width, then multiply by 1.5.  
For a gambrel roof, multiply the building length by the building width, then multiply by 1.33.

### Roof pitch difficulty factors

It's harder to paint on a sloped surface than on a flat surface. The steeper the slope, the more difficult the work. Roof slope is usually measured in inches of rise per inch of horizontal run. For example, a 3 in 12 pitch means the roof rises 3 inches for each 12 inches of run, measuring horizontally. Use the difficulty factors that follow when estimating the time needed to paint on a sloping roof.

On a flat roof, or roof with a pitch of less than 3 in 12, calculate the roof area without modification.

If the pitch is 3 in 12, multiply the surface area by 1.1.

If the pitch is 4 in 12, multiply the surface area by 1.2.

If the pitch is 6 in 12, multiply the surface area by 1.3.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Roofing, composition shingles, brush application</b>									
Solid body stain, water base (material #18)									
Brush 1st coat									
Slow	45	220	67.30	57.11	13.71	30.59	19.27	19.31	139.99
Medium	60	200	58.90	54.58	15.78	29.45	24.95	14.97	139.73
Fast	80	180	50.50	49.88	17.60	28.06	29.62	8.76	133.92
Brush 2nd coat									
Slow	65	330	67.30	39.54	9.48	20.39	13.19	13.22	95.82
Medium	80	310	58.90	40.94	11.82	19.00	17.94	10.77	100.47
Fast	100	290	50.50	39.90	14.08	17.41	22.13	6.55	100.07
Brush 3rd or additional coats									
Slow	85	405	67.30	30.24	7.24	16.62	10.28	10.30	74.68
Medium	100	385	58.90	32.75	9.46	15.30	14.38	8.63	80.52
Fast	120	365	50.50	33.25	11.72	13.84	18.24	5.39	82.44
Solid body stain, oil base (material #19)									
Brush 1st coat									
Slow	45	270	81.30	57.11	13.71	30.11	19.18	19.22	139.33
Medium	60	250	71.10	54.58	15.78	28.44	24.70	14.82	138.32
Fast	80	230	61.00	49.88	17.60	26.52	29.14	8.62	131.76
Brush 2nd coat									
Slow	65	360	81.30	39.54	9.48	22.58	13.61	13.64	98.85
Medium	80	345	71.10	40.94	11.82	20.61	18.35	11.01	102.73
Fast	100	330	61.00	39.90	14.08	18.48	22.46	6.64	101.56
Brush 3rd or additional coats									
Slow	85	425	81.30	30.24	7.24	19.13	10.76	10.78	78.15
Medium	100	405	71.10	32.75	9.46	17.56	14.94	8.97	83.68
Fast	120	385	61.00	33.25	11.72	15.84	18.86	5.58	85.25

Use these figures for repaint jobs only. Some older composition shingles may contain asbestos. It has been established that asbestos fibers are a known carcinogen (cancer causing) and it is likely that no new construction projects will specify materials or products which contain asbestos. Furthermore, roofing materials for a new construction project would not need painting. Roofing and siding products usually contain very little asbestos and are typically non-friable (hand pressure can not crumble, pulverize or reduce to a powder when dry). There is danger when asbestos is being removed because of exposure to airborne particulate matter. Apparently, there is little danger when painting asbestos roofing or siding, but it is a good idea to have your painters wear respirators or particle masks for their safety. Coverage figures are based on shingles or shakes with average moisture content. See the paragraphs on Roof pitch difficulty factors and Roof area conversion factors to adjust for roof slope and type. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Roofing, composition shingles, roll application</b>									
Solid body stain, water base (material #18)									
Roll 1st coat									
Slow	150	190	67.30	17.13	4.13	35.42	10.77	10.79	78.24
Medium	170	180	58.90	19.26	5.56	32.72	14.39	8.63	80.56
Fast	200	170	50.50	19.95	7.04	29.71	17.58	5.20	79.48
Roll 2nd coat									
Slow	250	300	67.30	10.28	2.47	22.43	6.68	6.70	48.56
Medium	305	290	58.90	10.74	3.10	20.31	8.54	5.12	47.81
Fast	360	280	50.50	11.08	3.93	18.04	10.24	3.03	46.32
Roll 3rd or additional coats									
Slow	360	385	67.30	7.14	1.72	17.48	5.00	5.01	36.35
Medium	385	375	58.90	8.51	2.46	15.71	6.67	4.00	37.35
Fast	420	365	50.50	9.50	3.35	13.84	8.27	2.45	37.41
Solid body stain, oil base (material #19)									
Roll 1st coat									
Slow	150	220	81.30	17.13	4.13	36.95	11.06	11.08	80.35
Medium	170	205	71.10	19.26	5.56	34.68	14.88	8.93	83.31
Fast	200	190	61.00	19.95	7.04	32.11	18.32	5.42	82.84
Roll 2nd coat									
Slow	250	330	81.30	10.28	2.47	24.64	7.10	7.12	51.61
Medium	305	320	71.10	10.74	3.10	22.22	9.02	5.41	50.49
Fast	360	310	61.00	11.08	3.93	19.68	10.75	3.18	48.62
Roll 3rd or additional coats									
Slow	360	405	81.30	7.14	1.72	20.07	5.49	5.51	39.93
Medium	385	395	71.10	8.51	2.46	18.00	7.24	4.35	40.56
Fast	420	385	61.00	9.50	3.35	15.84	8.89	2.63	40.21

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Waterproofing, clear hydro sealer (material #34)									
Roll 1st coat									
Slow	100	300	70.90	25.70	6.17	23.63	10.55	10.57	76.62
Medium	200	275	62.10	16.38	4.73	22.58	10.92	6.55	61.16
Fast	300	250	53.20	13.30	4.68	21.28	12.17	3.60	55.03
Roll 2nd or additional coats									
Slow	150	350	70.90	17.13	4.13	20.26	7.89	7.90	57.31
Medium	250	325	62.10	13.10	3.78	19.11	9.00	5.40	50.39
Fast	350	300	53.20	11.40	4.04	17.73	10.28	3.04	46.49

Use these figures for repaint jobs only. Some older composition shingles may contain asbestos. It has been established that asbestos fibers are a known carcinogen (cancer causing) and it is likely that no new construction projects will specify materials or products which contain asbestos. Furthermore, roofing materials for a new construction project would not need painting. Roofing and siding products usually contain very little asbestos and are typically non-friable (hand pressure can not crumble, pulverize or reduce to a powder when dry). There is danger when asbestos is being removed because of exposure to airborne particulate matter. Apparently, there is little danger when painting asbestos roofing or siding, but it is a good idea to have your painters wear respirators or particle masks for their safety. Coverage figures are based on shingles or shakes with average moisture content. See the paragraphs on Roof pitch difficulty factors and Roof area conversion factors to adjust for roof slope and type. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Roofing, composition shingles, spray application</b>									
Solid body stain, water base (material #18)									
Spray 1st coat									
Slow	325	200	67.30	7.91	1.91	33.65	8.26	8.28	60.01
Medium	350	180	58.90	9.36	2.71	32.72	11.20	6.72	62.71
Fast	375	160	50.50	10.64	3.77	31.56	14.25	4.21	64.43
Spray 2nd coat									
Slow	425	290	67.30	6.05	1.44	23.21	5.83	5.85	42.38
Medium	450	280	58.90	7.28	2.09	21.04	7.61	4.56	42.58
Fast	475	270	50.50	8.40	2.99	18.70	9.32	2.76	42.17
Spray 3rd or additional coats									
Slow	500	365	67.30	5.14	1.23	18.44	4.71	4.72	34.24
Medium	538	355	58.90	6.09	1.76	16.59	6.11	3.67	34.22
Fast	575	345	50.50	6.94	2.45	14.64	7.45	2.20	33.68
Solid body stain, oil base (material #19)									
Spray 1st coat									
Slow	325	230	81.30	7.91	1.91	35.35	8.58	8.60	62.35
Medium	350	205	71.10	9.36	2.71	34.68	11.69	7.01	65.45
Fast	375	180	61.00	10.64	3.77	33.89	14.97	4.43	67.70
Spray 2nd coat									
Slow	425	310	81.30	6.05	1.44	26.23	6.41	6.42	46.55
Medium	450	300	71.10	7.28	2.09	23.70	8.27	4.96	46.30
Fast	475	290	61.00	8.40	2.99	21.03	10.04	2.97	45.43
Spray 3rd or additional coats									
Slow	500	380	81.30	5.14	1.23	21.39	5.27	5.28	38.31
Medium	538	370	71.10	6.09	1.76	19.22	6.77	4.06	37.90
Fast	575	360	61.00	6.94	2.45	16.94	8.16	2.41	36.90

## General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Waterproofing, clear hydro sealer (material #34)									
Spray 1st coat									
Slow	550	100	70.90	4.67	1.13	70.90	14.57	14.60	105.87
Medium	600	88	62.10	5.46	1.59	70.57	19.40	11.64	108.66
Fast	650	75	53.20	6.14	2.17	70.93	24.56	7.27	111.07
Spray 2nd or additional coats									
Slow	600	150	70.90	4.28	1.04	47.27	9.99	10.01	72.59
Medium	650	138	62.10	5.04	1.46	45.00	12.88	7.73	72.11
Fast	700	125	53.20	5.70	2.02	42.56	15.58	4.61	70.47

Use these figures for repaint jobs only. Some older composition shingles may contain asbestos. It has been established that asbestos fibers are a known carcinogen (cancer causing) and it is likely that no new construction projects will specify materials or products which contain asbestos. Furthermore, roofing materials for a new construction project would not need painting. Roofing and siding products usually contain very little asbestos and are typically non-friable (hand pressure can not crumble, pulverize or reduce to a powder when dry). There is danger when asbestos is being removed because of exposure to airborne particulate matter. Apparently, there is little danger when painting asbestos roofing or siding, but it is a good idea to have your painters wear respirators or particle masks for their safety. Coverage figures are based on shingles or shakes with average moisture content. See the paragraphs on Roof pitch difficulty factors and Roof area conversion factors to adjust for roof slope and type. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Roofing, wood shingles or shakes, brush application</b>									
Solid body stain, water base (material #18)									
Brush 1st coat									
Slow	100	240	67.30	25.70	6.17	28.04	11.38	11.41	82.70
Medium	155	228	58.90	21.13	6.10	25.83	13.27	7.96	74.29
Fast	210	215	50.50	19.00	6.69	23.49	15.25	4.51	68.94
Brush 2nd or additional coats									
Slow	150	290	67.30	17.13	4.13	23.21	8.45	8.46	61.38
Medium	195	278	58.90	16.79	4.86	21.19	10.71	6.42	59.97
Fast	240	265	50.50	16.63	5.88	19.06	12.88	3.81	58.26
Solid body stain, oil base (material #19)									
Brush 1st coat									
Slow	100	160	81.30	25.70	6.17	50.81	15.71	15.74	114.13
Medium	155	150	71.10	21.13	6.10	47.40	18.66	11.20	104.49
Fast	210	140	61.00	19.00	6.69	43.57	21.48	6.35	97.09
Brush 2nd or additional coats									
Slow	150	260	81.30	17.13	4.13	31.27	9.98	10.00	72.51
Medium	195	250	71.10	16.79	4.86	28.44	12.52	7.51	70.12
Fast	240	240	61.00	16.63	5.88	25.42	14.86	4.39	67.18
Semi-transparent stain, water base (material #20)									
Brush 1st coat									
Slow	120	260	66.20	21.42	5.13	25.46	9.88	9.90	71.79
Medium	175	248	57.90	18.71	5.39	23.35	11.87	7.12	66.44
Fast	230	235	49.70	17.35	6.13	21.15	13.83	4.09	62.55
Brush 2nd or additional coats									
Slow	160	300	66.20	16.06	3.86	22.07	7.98	7.99	57.96
Medium	205	288	57.90	15.98	4.62	20.10	10.18	6.11	56.99
Fast	250	275	49.70	15.96	5.63	18.07	12.29	3.64	55.59
Semi-transparent stain, oil base (material #21)									
Brush 1st coat									
Slow	120	180	67.60	21.42	5.13	37.56	12.18	12.21	88.50
Medium	175	170	59.20	18.71	5.39	34.82	14.74	8.84	82.50
Fast	230	160	50.70	17.35	6.13	31.69	17.10	5.06	77.33
Brush 2nd or additional coats									
Slow	160	280	67.60	16.06	3.86	24.14	8.37	8.39	60.82
Medium	205	270	59.20	15.98	4.62	21.93	10.63	6.38	59.54
Fast	250	260	50.70	15.96	5.63	19.50	12.74	3.77	57.60

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Penetrating oil stain (material #13)									
Brush 1st coat									
Slow	100	160	125.00	25.70	6.17	78.13	20.90	20.94	151.84
Medium	155	150	109.40	21.13	6.10	72.93	25.04	15.03	140.23
Fast	210	140	93.80	19.00	6.69	67.00	28.74	8.50	129.93
Brush 2nd or additional coats									
Slow	150	205	125.00	17.13	4.13	60.98	15.62	15.65	113.51
Medium	195	195	109.40	16.79	4.86	56.10	19.44	11.66	108.85
Fast	240	185	93.80	16.63	5.88	50.70	22.69	6.71	102.61

Coverage figures are based on shingles or shakes with average moisture content. See the paragraphs on Roof pitch difficulty factors and Roof area conversion factors to adjust for roof slope and type. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Roofing, wood shingles or shakes, roll application</b>									
Solid body stain, water base (material #18)									
Roll 1st coat									
Slow	210	225	67.30	12.24	2.93	29.91	8.57	8.59	62.24
Medium	258	213	58.90	12.69	3.69	27.65	11.00	6.60	61.63
Fast	305	200	50.50	13.08	4.63	25.25	13.31	3.94	60.21
Roll 2nd or additional coats									
Slow	250	275	67.30	10.28	2.47	24.47	7.07	7.09	51.38
Medium	300	263	58.90	10.92	3.14	22.40	9.12	5.47	51.05
Fast	350	250	50.50	11.40	4.04	20.20	11.04	3.27	49.95
Solid body stain, oil base (material #19)									
Roll 1st coat									
Slow	210	150	81.30	12.24	2.93	54.20	13.18	13.21	95.76
Medium	255	140	71.10	12.84	3.71	50.79	16.84	10.10	94.28
Fast	305	130	61.00	13.08	4.63	46.92	20.03	5.93	90.59
Roll 2nd or additional coats									
Slow	250	245	81.30	10.28	2.47	33.18	8.73	8.75	63.41
Medium	300	235	71.10	10.92	3.14	30.26	11.09	6.65	62.06
Fast	350	225	61.00	11.40	4.04	27.11	13.18	3.90	59.63
Semi-transparent stain, water base (material #20)									
Roll 1st coat									
Slow	240	250	66.20	10.71	2.58	26.48	7.55	7.57	54.89
Medium	288	238	57.90	11.37	3.28	24.33	9.75	5.85	54.58
Fast	335	225	49.70	11.91	4.23	22.09	11.84	3.50	53.57
Roll 2nd or additional coats									
Slow	270	290	66.20	9.52	2.27	22.83	6.58	6.59	47.79
Medium	320	278	57.90	10.23	2.98	20.83	8.51	5.10	47.65
Fast	370	255	49.70	10.78	3.79	19.49	10.56	3.12	47.74
Semi-transparent stain, oil base (material #21)									
Roll 1st coat									
Slow	240	175	67.60	10.71	2.58	38.63	9.86	9.88	71.66
Medium	288	165	59.20	11.37	3.28	35.88	12.64	7.58	70.75
Fast	335	155	50.70	11.91	4.23	32.71	15.13	4.48	68.46
Roll 2nd or additional coats									
Slow	270	260	67.60	9.52	2.27	26.00	7.18	7.20	52.17
Medium	320	250	59.20	10.23	2.98	23.68	9.22	5.53	51.64
Fast	370	240	50.70	10.78	3.79	21.13	11.07	3.28	50.05



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Penetrating oil stain (material #13)</b>									
Roll 1st coat									
Slow	210	200	125.00	12.24	2.93	62.50	14.76	14.79	107.22
Medium	258	190	109.40	12.69	3.69	57.58	18.49	11.09	103.54
Fast	305	180	93.80	13.08	4.63	52.11	21.64	6.40	97.86
Roll 2nd or additional coats									
Slow	250	295	125.00	10.28	2.47	42.37	10.47	10.49	76.08
Medium	300	285	109.40	10.92	3.14	38.39	13.12	7.87	73.44
Fast	350	275	93.80	11.40	4.04	34.11	15.35	4.54	69.44
<b>Waterproofing, clear hydro sealer (material #34)</b>									
Roll 1st coat									
Slow	80	225	70.90	32.13	7.71	31.51	13.56	13.59	98.50
Medium	160	195	62.10	20.47	5.91	31.85	14.56	8.74	81.53
Fast	230	165	53.20	17.35	6.13	32.24	17.27	5.11	78.10
Roll 2nd or additional coats									
Slow	125	150	70.90	20.56	4.94	47.27	13.82	13.85	100.44
Medium	190	138	62.10	17.24	4.96	45.00	16.81	10.08	94.09
Fast	255	125	53.20	15.65	5.51	42.56	19.76	5.84	89.32

Coverage figures are based on shingles or shakes with average moisture content. See the paragraphs on Roof pitch difficulty factors and Roof area conversion factors to adjust for roof slope and type. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Roofing, wood shingles or shakes, spray application</b>									
Solid body stain, water base (material #18)									
Spray 1st coat									
Slow	600	230	67.30	4.28	1.04	29.26	6.57	6.58	47.73
Medium	700	220	58.90	4.68	1.36	26.77	8.20	4.92	45.93
Fast	800	200	50.50	4.99	1.76	25.25	9.92	2.93	44.85
Spray 2nd or additional coats									
Slow	700	250	67.30	3.67	.89	26.92	5.98	5.99	43.45
Medium	800	235	58.90	4.09	1.19	25.06	7.58	4.55	42.47
Fast	900	220	50.50	4.43	1.56	22.95	8.97	2.65	40.56
Solid body stain, oil base (material #19)									
Spray 1st coat									
Slow	600	170	81.30	4.28	1.04	47.82	10.09	10.12	73.35
Medium	700	150	71.10	4.68	1.36	47.40	13.36	8.01	74.81
Fast	800	130	61.00	4.99	1.76	46.92	16.64	4.92	75.23
Spray 2nd or additional coats									
Slow	700	230	81.30	3.67	.89	35.35	7.58	7.60	55.09
Medium	800	215	71.10	4.09	1.19	33.07	9.59	5.75	53.69
Fast	900	200	61.00	4.43	1.56	30.50	11.31	3.35	51.15
Semi-transparent stain, water base (material #20)									
Spray 1st coat									
Slow	650	265	66.20	3.95	.96	24.98	5.68	5.69	41.26
Medium	750	253	57.90	4.37	1.24	22.89	7.13	4.28	39.91
Fast	850	240	49.70	4.69	1.68	20.71	8.39	2.48	37.95
Spray 2nd or additional coats									
Slow	750	305	66.20	3.43	.81	21.70	4.93	4.94	35.81
Medium	850	293	57.90	3.85	1.13	19.76	6.18	3.71	34.63
Fast	950	270	49.70	4.20	1.47	18.41	7.47	2.21	33.76
Semi-transparent stain, oil base (material #21)									
Spray 1st coat									
Slow	650	190	67.60	3.95	.96	35.58	7.69	7.71	55.89
Medium	750	180	59.20	4.37	1.24	32.89	9.63	5.78	53.91
Fast	850	170	50.70	4.69	1.68	29.82	11.21	3.32	50.72
Spray 2nd or additional coats									
Slow	750	275	67.60	3.43	.81	24.58	5.48	5.49	39.79
Medium	850	265	59.20	3.85	1.13	22.34	6.83	4.10	38.25
Fast	950	255	50.70	4.20	1.47	19.88	7.92	2.34	35.81

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Penetrating oil stain (material #13)</b>									
Spray 1st coat									
Slow	600	200	125.00	4.28	1.04	62.50	12.88	12.91	93.61
Medium	700	170	109.40	4.68	1.36	64.35	17.60	10.56	98.55
Fast	800	140	93.80	4.99	1.76	67.00	22.86	6.76	103.37
Spray 2nd or additional coats									
Slow	700	300	125.00	3.67	.89	41.67	8.78	8.80	63.81
Medium	800	260	109.40	4.09	1.19	42.08	11.84	7.10	66.30
Fast	900	240	93.80	4.43	1.56	39.08	13.97	4.13	63.17
<b>Waterproofing, clear hydro sealer (material #34)</b>									
Spray 1st coat									
Slow	450	75	70.90	5.71	1.37	94.53	19.31	19.35	140.27
Medium	475	63	62.10	6.89	2.02	98.57	26.86	16.12	150.46
Fast	500	50	53.20	7.98	2.82	106.40	36.33	10.75	164.28
Spray 2nd or additional coats									
Slow	500	150	70.90	5.14	1.23	47.27	10.19	10.21	74.04
Medium	525	138	62.10	6.24	1.78	45.00	13.26	7.96	74.24
Fast	550	125	53.20	7.25	2.57	42.56	16.23	4.80	73.41

Coverage figures are based on shingles or shakes with average moisture content. See the paragraphs on Roof pitch difficulty factors and Roof area conversion factors to adjust for roof slope and type. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Sheet metal cap or flashing</b>									
3" to 8" wide:									
Metal primer, clean metal (material #35)									
Brush prime coat									
Slow	215	525	75.10	11.95	2.87	14.30	5.53	5.54	40.19
Medium	228	500	65.70	14.36	4.17	13.14	7.91	4.75	44.33
Fast	240	475	56.30	16.63	5.88	11.85	10.65	3.15	48.16
Metal primer, rusty metal (material #36)									
Brush prime coat									
Slow	215	525	95.10	11.95	2.87	18.11	6.26	6.27	45.46
Medium	228	500	83.20	14.36	4.17	16.64	8.79	5.27	49.23
Fast	240	475	71.30	16.63	5.88	15.01	11.63	3.44	52.59
Metal finish, synthetic enamel - off white, gloss, interior or exterior (material #37)									
Brush 1st or additional finish coats									
Slow	275	550	78.60	9.35	2.25	14.29	4.92	4.93	35.74
Medium	288	525	68.80	11.37	3.28	13.10	6.94	4.16	38.85
Fast	300	500	59.00	13.30	4.68	11.80	9.23	2.73	41.74
Metal finish, synthetic enamel, colors (except orange/red), gloss, interior or exterior (material #38)									
Brush 1st or additional finish coats									
Slow	275	550	75.70	9.35	2.25	13.76	4.82	4.83	35.01
Medium	288	525	66.20	11.37	3.28	12.61	6.82	4.09	38.17
Fast	300	500	56.70	13.30	4.68	11.34	9.09	2.69	41.10

This table is based on a two coat system, prime and finish, using oil base material which is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. One coat of oil base solid body stain is often used on exterior metal but it may crack, peel or chip without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Sheet metal cap or flashing</b>									
8" to 12" wide:									
Metal primer, clean metal (material #35)									
Brush prime coat									
Slow	200	500	75.10	12.85	3.09	15.02	5.88	5.89	42.73
Medium	215	475	65.70	15.23	4.40	13.83	8.37	5.02	46.85
Fast	230	450	56.30	17.35	6.13	12.51	11.15	3.30	50.44
Metal primer, rusty metal (material #36)									
Brush prime coat									
Slow	200	500	95.10	12.85	3.09	19.02	6.64	6.65	48.25
Medium	215	475	83.20	15.23	4.40	17.52	9.29	5.57	52.01
Fast	230	450	71.30	17.35	6.13	15.84	12.19	3.61	55.12
Metal finish, synthetic enamel - off white, gloss, interior or exterior (material #37)									
Brush 1st or additional finish coats									
Slow	250	525	78.60	10.28	2.47	14.97	5.27	5.28	38.27
Medium	265	500	68.80	12.36	3.55	13.76	7.42	4.45	41.54
Fast	280	475	59.00	14.25	5.02	12.42	9.83	2.91	44.43
Metal finish, synthetic enamel, colors (except orange/red), gloss, interior or exterior (material #38)									
Brush 1st or additional finish coats									
Slow	250	525	75.70	10.28	2.47	14.42	5.16	5.17	37.50
Medium	265	500	66.20	12.36	3.55	13.24	7.29	4.38	40.82
Fast	280	475	56.70	14.25	5.02	11.94	9.68	2.86	43.75

This table is based on a two coat system, prime and finish, using oil base material which is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. One coat of oil base solid body stain is often used on exterior metal but it may crack, peel or chip without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Sheet metal, diverters or gravel stop</b>									
Up to 3" wide:									
Metal primer, clean metal (material #35)									
Brush prime coat									
Slow	230	600	75.10	11.17	2.69	12.52	5.01	5.02	36.41
Medium	240	550	65.70	13.65	3.95	11.95	7.39	4.43	41.37
Fast	250	500	56.30	15.96	5.63	11.26	10.18	3.01	46.04
Metal primer, rusty metal (material #36)									
Brush prime coat									
Slow	230	600	95.10	11.17	2.69	15.85	5.64	5.65	41.00
Medium	240	550	83.20	13.65	3.95	15.13	8.18	4.91	45.82
Fast	250	500	71.30	15.96	5.63	14.26	11.11	3.29	50.25
Metal finish, synthetic enamel - off white, gloss, interior or exterior (material #37)									
Brush 1st or additional finish coats									
Slow	300	650	78.60	8.57	2.04	12.09	4.32	4.33	31.35
Medium	313	600	68.80	10.46	3.00	11.47	6.24	3.74	34.91
Fast	325	550	59.00	12.28	4.35	10.73	8.48	2.51	38.35
Metal finish, synthetic enamel, colors (except orange/red), gloss, interior or exterior (material #38)									
Brush 1st or additional finish coats									
Slow	300	650	75.70	8.57	2.04	11.65	4.23	4.24	30.73
Medium	313	600	66.20	10.46	3.00	11.03	6.13	3.68	34.30
Fast	325	550	56.70	12.28	4.35	10.31	8.35	2.47	37.76

This table is based on a two coat system, prime and finish, using oil base material which is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. One coat of oil base solid body stain is often used on exterior metal but it may crack, peel or chip without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per home	Material gallons per home	Material cost per gallon	Labor cost per home	Labor burden per home	Material cost per home	Overhead per home	Profit per home	Total price per home
<b>Sheet metal vents &amp; flashing</b>									
Metal primer, clean metal (material #35)									
1 story home, brush prime coat									
Slow	0.7	0.40	75.10	17.99	4.32	30.04	9.95	9.97	72.27
Medium	0.6	0.45	65.70	19.65	5.68	29.57	13.73	8.24	76.87
Fast	0.5	0.50	56.30	19.95	7.04	28.15	17.09	5.06	77.29
2 story home, brush prime coat									
Slow	0.9	0.50	75.10	23.13	5.55	37.55	12.58	12.61	91.42
Medium	0.8	0.55	65.70	26.20	7.57	36.14	17.48	10.49	97.88
Fast	0.7	0.60	56.30	27.93	9.86	33.78	22.19	6.56	100.32
Multiple units with attached roofs (per unit or 900 SF of roof area), brush 1st or additional finish coats									
Slow	0.6	0.40	75.10	15.42	3.70	30.04	9.34	9.36	67.86
Medium	0.5	0.45	65.70	16.38	4.73	29.57	12.67	7.60	70.95
Fast	0.4	0.50	56.30	15.96	5.63	28.15	15.42	4.56	69.72
Metal primer, rusty metal (material #36)									
1 story home, brush prime coat									
Slow	0.7	0.40	95.10	17.99	4.32	38.04	11.47	11.49	83.31
Medium	0.6	0.45	83.20	19.65	5.68	37.44	15.69	9.42	87.88
Fast	0.5	0.50	71.30	19.95	7.04	35.65	19.42	5.74	87.80
2 story home, brush prime coat									
Slow	0.9	0.50	95.10	23.13	5.55	47.55	14.48	14.51	105.22
Medium	0.8	0.55	83.20	26.20	7.57	45.76	19.88	11.93	111.34
Fast	0.7	0.60	71.30	27.93	9.86	42.78	24.98	7.39	112.94
Multiple units with attached roofs (per unit or 900 SF of roof area), brush 1st or additional finish coats									
Slow	0.6	0.40	95.10	15.42	3.70	38.04	10.86	10.88	78.90
Medium	0.5	0.45	83.20	16.38	4.73	37.44	14.64	8.78	81.97
Fast	0.4	0.50	71.30	15.96	5.63	35.65	17.74	5.25	80.23
Metal finish, synthetic enamel - off white, gloss, interior or exterior (material #37)									
1 story home, brush 1st or additional finish coats									
Slow	0.7	0.40	78.60	17.99	4.32	31.44	10.21	10.23	74.19
Medium	0.6	0.45	68.80	19.65	5.68	30.96	14.07	8.44	78.80
Fast	0.5	0.50	59.00	19.95	7.04	29.50	17.51	5.18	79.18
2 story home, brush 1st or additional finish coats									
Slow	0.9	0.50	78.60	23.13	5.55	39.30	12.92	12.94	93.84
Medium	0.8	0.55	68.80	26.20	7.57	37.84	17.90	10.74	100.25
Fast	0.7	0.60	59.00	27.93	9.86	35.40	22.69	6.71	102.59

# National Painting Cost Estimator

	Manhours per home	Material gallons per home	Material cost per gallon	Labor cost per home	Labor burden per home	Material cost per home	Overhead per home	Profit per home	Total price per home
Multiple units with attached roofs (per unit or 900 SF of roof area), brush 1st or additional finish coats									
Slow	0.6	0.40	78.60	15.42	3.70	31.44	9.61	9.63	69.80
Medium	0.5	0.45	68.80	16.38	4.73	30.96	13.02	7.81	72.90
Fast	0.4	0.50	59.00	15.96	5.63	29.50	15.84	4.69	71.62
Metal finish, synthetic enamel - colors (except orange/red), gloss, interior or exterior (material #38)									
1 story home, brush 1st or additional finish coats									
Slow	0.7	0.40	75.70	17.99	4.32	30.28	9.99	10.01	72.59
Medium	0.6	0.45	66.20	19.65	5.68	29.79	13.78	8.27	77.17
Fast	0.5	0.50	56.70	19.95	7.04	28.35	17.16	5.08	77.58
2 story home, brush 1st or additional finish coats									
Slow	0.9	0.50	75.70	23.13	5.55	37.85	12.64	12.67	91.84
Medium	0.8	0.55	66.20	26.20	7.57	36.41	17.55	10.53	98.26
Fast	0.7	0.60	56.70	27.93	9.86	34.02	22.26	6.58	100.65
Multiple units with attached roofs (per unit or 900 SF of roof area), brush 1st or additional finish coats									
Slow	0.6	0.40	75.70	15.42	3.70	30.28	9.39	9.41	68.20
Medium	0.5	0.45	66.20	16.38	4.73	29.79	12.73	7.64	71.27
Fast	0.4	0.50	56.70	15.96	5.63	28.35	15.48	4.58	70.00

Use this table with metal prime and finish paints only. This table shows the time needed to paint sheet metal vents on an average home or attached dwelling unit. Use it to estimate the costs for residential units without having to take off each vent or piece of flashing. Use the "attached units" section based on 900 square feet of roof area to estimate commercial buildings. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. One coat of oil base solid body stain is often used on exterior metal but it may crack, peel or chip without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Shutters per manhour	Shutters per gallon	Material cost per gallon	Labor cost per shutter	Labor burden per shutter	Material cost per shutter	Overhead per shutter	Profit per shutter	Total price per shutter
<b>Shutters or blinds, 2' x 4' average size</b>									
Brush each coat									
Undercoat, water or oil base (material #3 or #4)									
Slow	2.5	12	63.85	10.28	2.47	5.32	3.43	3.44	24.94
Medium	3.0	11	55.90	10.92	3.14	5.08	4.79	2.87	26.80
Fast	3.5	10	47.95	11.40	4.04	4.80	6.27	1.85	28.36
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 and #24, or material #4 and #25)									
Slow	3.0	15	78.30	8.57	2.04	5.22	3.01	3.02	21.86
Medium	3.5	14	68.53	9.36	2.71	4.90	4.24	2.55	23.76
Fast	4.0	13	58.75	9.98	3.52	4.52	5.59	1.65	25.26
Exterior enamel, water or oil base (material #24 or #25)									
Slow	2.0	15	92.75	12.85	3.09	6.18	4.20	4.21	30.53
Medium	2.5	14	81.15	13.10	3.78	5.80	5.67	3.40	31.75
Fast	3.0	13	69.55	13.30	4.68	5.35	7.24	2.14	32.71
Spray each coat									
Undercoat, water or oil base (material #3 or #4)									
Slow	8	10	63.85	3.21	.77	6.39	1.97	1.97	14.31
Medium	9	9	55.90	3.64	1.05	6.21	2.73	1.64	15.27
Fast	10	8	47.95	3.99	1.41	5.99	3.53	1.04	15.96
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 and #24, or material #4 and #25)									
Slow	8	12	78.30	3.21	.77	6.53	2.00	2.00	14.51
Medium	10	11	68.53	3.28	.94	6.23	2.62	1.57	14.64
Fast	12	10	58.75	3.33	1.15	5.88	3.22	.95	14.53
Exterior enamel, water or oil base (material #24 or #25)									
Slow	7	12	92.75	3.67	.89	7.73	2.33	2.34	16.96
Medium	8	11	81.15	4.09	1.19	7.38	3.16	1.90	17.72
Fast	9	10	69.55	4.43	1.56	6.96	4.01	1.19	18.15

Use these figures to estimate the costs to paint all six sides of solid face, paint grade, interior or exterior, "false" plant-on type shutters or blinds. Costs are based on the number of single-panel 2' x 4' false (solid) shutters or blinds that can be painted in one hour (manhour). For real louvered shutters, multiply the quantity of shutters by a difficulty factor of 1.5 and then use this table. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

## National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, aluminum</b>									
Metal primer, clean metal (material #35)									
Brush prime coat									
Slow	215	440	75.10	11.95	2.87	17.07	6.06	6.07	44.02
Medium	235	420	65.70	13.94	4.04	15.64	8.40	5.04	47.06
Fast	255	400	56.30	15.65	5.51	14.08	10.93	3.23	49.40
Metal primer, rusty metal (material #36)									
Brush prime coat									
Slow	215	440	95.10	11.95	2.87	21.61	6.92	6.94	50.29
Medium	235	420	83.20	13.94	4.04	19.81	9.45	5.67	52.91
Fast	255	400	71.30	15.65	5.51	17.83	12.09	3.58	54.66
Metal finish, synthetic enamel - off white, gloss, interior or exterior (material #37)									
Brush 1st or additional finish coats									
Slow	265	480	78.60	9.70	2.31	16.38	5.40	5.41	39.20
Medium	285	465	68.80	11.49	3.33	14.80	7.40	4.44	41.46
Fast	305	450	59.00	13.08	4.63	13.11	9.55	2.83	43.20
Metal finish, synthetic enamel - colors (except orange/red), gloss, interior or exterior (material #38)									
Brush 1st or additional finish coats									
Slow	265	480	75.70	9.70	2.31	15.77	5.28	5.29	38.35
Medium	285	465	66.20	11.49	3.33	14.24	7.26	4.36	40.68
Fast	305	450	56.70	13.08	4.63	12.60	9.39	2.78	42.48

Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. One coat of oil base solid body stain is often used on exterior metal but it may crack, peel or chip without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, composition shingle, brush application</b>									
Solid body stain, water base (material #18)									
Brush 1st coat									
Slow	65	240	67.30	39.54	9.48	28.04	14.64	14.67	106.37
Medium	85	220	58.90	38.53	11.11	26.77	19.11	11.47	106.99
Fast	105	200	50.50	38.00	13.39	25.25	23.76	7.03	107.43
Brush 2nd coat									
Slow	90	350	67.30	28.56	6.85	19.23	10.38	10.40	75.42
Medium	110	335	58.90	29.77	8.60	17.58	13.99	8.39	78.33
Fast	130	320	50.50	30.69	10.82	15.78	17.76	5.25	80.30
Brush 3rd or additional coats									
Slow	110	425	67.30	23.36	5.61	15.84	8.51	8.53	61.85
Medium	130	405	58.90	25.19	7.27	14.54	11.75	7.05	65.80
Fast	150	385	50.50	26.60	9.40	13.12	15.22	4.50	68.84
Solid body stain, oil base (material #19)									
Brush 1st coat									
Slow	65	290	81.30	39.54	9.48	28.03	14.64	14.67	106.36
Medium	85	270	71.10	38.53	11.11	26.33	19.00	11.40	106.37
Fast	105	250	61.00	38.00	13.39	24.40	23.50	6.95	106.24
Brush 2nd coat									
Slow	90	390	81.30	28.56	6.85	20.85	10.69	10.71	77.66
Medium	110	375	71.10	29.77	8.60	18.96	14.33	8.60	80.26
Fast	130	360	61.00	30.69	10.82	16.94	18.12	5.36	81.93
Brush 3rd or additional coats									
Slow	110	445	81.30	23.36	5.61	18.27	8.98	9.00	65.22
Medium	130	425	71.10	25.19	7.27	16.73	12.30	7.38	68.87
Fast	150	405	61.00	26.60	9.40	15.06	15.83	4.68	71.57

Use these figures for repaint jobs only. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. It has been established that asbestos fibers are known carcinogens (cancer causing) and it is likely that materials or products which contain asbestos will not be specified on any new construction projects in the future. Siding and roofing products usually contain very little asbestos and are typically non-friable (hand pressure can not crumble, pulverize or reduce to powder when dry). There is danger when asbestos is being removed because of exposure to airborne particulate matter. Apparently, there is little danger when painting asbestos siding or roofing, but it is a good idea to have your painters wear respirators or particle masks for their safety. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, composition shingle, roll application</b>									
Solid body stain, water base (material #18)									
Roll 1st coat									
Slow	140	230	67.30	18.36	4.40	29.26	9.89	9.91	71.82
Medium	160	215	58.90	20.47	5.91	27.40	13.45	8.07	75.30
Fast	180	200	50.50	22.17	7.84	25.25	17.13	5.07	77.46
Roll 2nd coat									
Slow	190	330	67.30	13.53	3.23	20.39	7.06	7.08	51.29
Medium	210	315	58.90	15.60	4.49	18.70	9.70	5.82	54.31
Fast	230	300	50.50	17.35	6.13	16.83	12.49	3.70	56.50
Roll 3rd or additional coats									
Slow	250	395	67.30	10.28	2.47	17.04	5.66	5.67	41.12
Medium	280	385	58.90	11.70	3.37	15.30	7.60	4.56	42.53
Fast	300	375	50.50	13.30	4.68	13.47	9.75	2.88	44.08
Solid body stain, oil base (material #19)									
Roll 1st coat									
Slow	140	260	81.30	18.36	4.40	31.27	10.27	10.29	74.59
Medium	160	240	71.10	20.47	5.91	29.63	14.01	8.40	78.42
Fast	180	220	61.00	22.17	7.84	27.73	17.90	5.29	80.93
Roll 2nd coat									
Slow	190	360	81.30	13.53	3.23	22.58	7.48	7.49	54.31
Medium	210	345	71.10	15.60	4.49	20.61	10.18	6.11	56.99
Fast	230	330	61.00	17.35	6.13	18.48	13.00	3.85	58.81
Roll 3rd or additional coats									
Slow	250	420	81.30	10.28	2.47	19.36	6.10	6.11	44.32
Medium	280	408	71.10	11.70	3.37	17.43	8.13	4.88	45.51
Fast	300	395	61.00	13.30	4.68	15.44	10.36	3.07	46.85

## General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Waterproofing, clear hydro seal, oil base (material #34)									
Roll 1st coat									
Slow	75	275	70.90	34.27	8.21	25.78	12.97	13.00	94.23
Medium	150	250	62.10	21.83	6.32	24.84	13.25	7.95	74.19
Fast	225	225	53.20	17.73	6.24	23.64	14.77	4.37	66.75
Roll 2nd or additional coats									
Slow	125	325	70.90	20.56	4.94	21.82	8.99	9.01	65.32
Medium	200	300	62.10	16.38	4.73	20.70	10.45	6.27	58.53
Fast	275	275	53.20	14.51	5.14	19.35	12.08	3.57	54.65

Use these figures for repaint jobs only. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. It has been established that asbestos fibers are known carcinogens (cancer causing) and it is likely that materials or products which contain asbestos will not be specified on any new construction projects in the future. Siding and roofing products usually contain very little asbestos and are typically non-friable (hand pressure can not crumble, pulverize or reduce to powder when dry). There is danger when asbestos is being removed because of exposure to airborne particulate matter. Apparently, there is little danger when painting asbestos siding or roofing, but it is a good idea to have your painters wear respirators or particle masks for their safety. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, composition shingle, spray application</b>									
Solid body stain, water base (material #18)									
Spray 1st coat									
Slow	325	160	67.30	7.91	1.91	42.06	9.86	9.88	71.62
Medium	350	150	58.90	9.36	2.71	39.27	12.84	7.70	71.88
Fast	375	140	50.50	10.64	3.77	36.07	15.65	4.63	70.76
Spray 2nd coat									
Slow	350	240	67.30	7.34	1.77	28.04	7.06	7.07	51.28
Medium	375	228	58.90	8.73	2.54	25.83	9.27	5.56	51.93
Fast	400	215	50.50	9.98	3.52	23.49	11.47	3.39	51.85
Spray 3rd or additional coats									
Slow	425	300	67.30	6.05	1.44	22.43	5.69	5.70	41.31
Medium	450	288	58.90	7.28	2.09	20.45	7.46	4.47	41.75
Fast	475	275	50.50	8.40	2.99	18.36	9.22	2.73	41.70
Solid body stain, oil base (material #19)									
Spray 1st coat									
Slow	325	190	81.30	7.91	1.91	42.79	9.99	10.01	72.61
Medium	350	180	71.10	9.36	2.71	39.50	12.89	7.74	72.20
Fast	375	170	61.00	10.64	3.77	35.88	15.59	4.61	70.49
Spray 2nd coat									
Slow	350	270	81.30	7.34	1.77	30.11	7.45	7.47	54.14
Medium	375	258	71.10	8.73	2.54	27.56	9.70	5.82	54.35
Fast	400	245	61.00	9.98	3.52	24.90	11.90	3.52	53.82
Spray 3rd or additional coats									
Slow	425	320	81.30	6.05	1.44	25.41	6.25	6.27	45.42
Medium	450	308	71.10	7.28	2.09	23.08	8.12	4.87	45.44
Fast	475	295	61.00	8.40	2.99	20.68	9.94	2.94	44.95

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Waterproofing, clear hydro seal, oil base (material #34)									
Spray 1st coat									
Slow	475	100	70.90	5.41	1.31	70.90	14.75	14.78	107.15
Medium	525	88	62.10	6.24	1.78	70.57	19.65	11.79	110.03
Fast	575	75	53.20	6.94	2.45	70.93	24.90	7.37	112.59
Spray 2nd or additional coats									
Slow	500	150	70.90	5.14	1.23	47.27	10.19	10.21	74.04
Medium	550	125	62.10	5.95	1.73	49.68	14.34	8.60	80.30
Fast	600	100	53.20	6.65	2.36	53.20	19.28	5.70	87.19

Use these figures for repaint jobs only. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. It has been established that asbestos fibers are known carcinogens (cancer causing) and it is likely that materials or products which contain asbestos will not be specified on any new construction projects in the future. Siding and roofing products usually contain very little asbestos and are typically non-friable (hand pressure can not crumble, pulverize or reduce to powder when dry). There is danger when asbestos is being removed because of exposure to airborne particulate matter. Apparently, there is little danger when painting asbestos siding or roofing, but it is a good idea to have your painters wear respirators or particle masks for their safety. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, rough sawn or resawn wood, brush</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Brush 1st coat									
Slow	100	250	66.75	25.70	6.17	26.70	11.13	11.15	80.85
Medium	135	238	58.40	24.26	7.02	24.54	13.95	8.37	78.14
Fast	170	225	50.10	23.47	8.27	22.27	16.75	4.95	75.71
Brush 2nd coat									
Slow	135	300	66.75	19.04	4.58	22.25	8.71	8.73	63.31
Medium	168	288	58.40	19.49	5.62	20.28	11.35	6.81	63.55
Fast	200	275	50.10	19.95	7.04	18.22	14.02	4.15	63.38
Brush 3rd or additional coats									
Slow	150	335	66.75	17.13	4.13	19.93	7.82	7.84	56.85
Medium	183	323	58.40	17.90	5.15	18.08	10.29	6.17	57.59
Fast	215	310	50.10	18.56	6.54	16.16	12.79	3.78	57.83
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Brush 1st coat									
Slow	100	275	74.45	25.70	6.17	27.07	11.20	11.22	81.36
Medium	135	250	65.15	24.26	7.02	26.06	14.33	8.60	80.27
Fast	170	225	55.85	23.47	8.27	24.82	17.54	5.19	79.29
Brush 2nd coat									
Slow	135	350	74.45	19.04	4.58	21.27	8.53	8.55	61.97
Medium	168	325	65.15	19.49	5.62	20.05	11.29	6.78	63.23
Fast	200	300	55.85	19.95	7.04	18.62	14.14	4.18	63.93
Brush 3rd or additional coats									
Slow	150	400	74.45	17.13	4.13	18.61	7.57	7.59	55.03
Medium	183	375	65.15	17.90	5.15	17.37	10.11	6.07	56.60
Fast	215	350	55.85	18.56	6.54	15.96	12.73	3.77	57.56
Penetrating oil stain (material #13)									
Brush 1st coat									
Slow	100	230	125.00	25.70	6.17	54.35	16.38	16.42	119.02
Medium	135	210	109.40	24.26	7.02	52.10	20.84	12.51	116.73
Fast	170	190	93.80	23.47	8.27	49.37	25.15	7.44	113.70



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Brush 2nd coat</b>									
Slow	135	275	125.00	19.04	4.58	45.45	13.12	13.15	95.34
Medium	168	255	109.40	19.49	5.62	42.90	17.01	10.20	95.22
Fast	200	235	93.80	19.95	7.04	39.91	20.74	6.13	93.77
<b>Brush 3rd or additional coats</b>									
Slow	150	350	125.00	17.13	4.13	35.71	10.82	10.84	78.63
Medium	183	330	109.40	17.90	5.15	33.15	14.06	8.43	78.69
Fast	215	310	93.80	18.56	6.54	30.26	17.16	5.08	77.60

Use this table to estimate the cost of painting shingle, shake, resawn or rough sawn wood or plywood siding with average moisture content. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. For wood or composition drop siding with exposed bevel edges, multiply the surface area by 1.12 to allow for the extra time and material needed to paint the underside of each board. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, rough sawn or resawn wood, roll</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Roll 1st coat									
Slow	150	235	66.75	17.13	4.13	28.40	9.43	9.45	68.54
Medium	200	213	58.40	16.38	4.73	27.42	12.13	7.28	67.94
Fast	250	210	50.10	15.96	5.63	23.86	14.09	4.17	63.71
Roll 2nd coat									
Slow	200	285	66.75	12.85	3.09	23.42	7.48	7.49	54.33
Medium	250	273	58.40	13.10	3.78	21.39	9.57	5.74	53.58
Fast	300	260	50.10	13.30	4.68	19.27	11.55	3.42	52.22
Roll 3rd or additional coats									
Slow	225	335	66.75	11.42	2.73	19.93	6.48	6.49	47.05
Medium	288	323	58.40	11.37	3.28	18.08	8.19	4.91	45.83
Fast	350	310	50.10	11.40	4.04	16.16	9.79	2.90	44.29
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Roll 1st coat									
Slow	150	250	74.45	17.13	4.13	29.78	9.69	9.71	70.44
Medium	225	225	65.15	14.56	4.18	28.96	11.93	7.16	66.79
Fast	275	200	55.85	14.51	5.14	27.93	14.74	4.36	66.68
Roll 2nd coat									
Slow	200	330	74.45	12.85	3.09	22.56	7.31	7.33	53.14
Medium	275	305	65.15	11.91	3.45	21.36	9.18	5.51	51.41
Fast	350	280	55.85	11.40	4.04	19.95	10.96	3.24	49.59
Roll 3rd or additional coats									
Slow	260	415	74.45	9.88	2.39	17.94	5.74	5.75	41.70
Medium	335	390	65.15	9.78	2.84	16.71	7.33	4.40	41.06
Fast	410	365	55.85	9.73	3.44	15.30	8.82	2.61	39.90
Penetrating oil stain (material #13)									
Roll 1st coat									
Slow	150	150	125.00	17.13	4.13	83.33	19.87	19.91	144.37
Medium	225	125	109.40	14.56	4.18	87.52	26.57	15.94	148.77
Fast	275	100	93.80	14.51	5.14	93.80	35.16	10.40	159.01

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 2nd coat									
Slow	200	280	125.00	12.85	3.09	44.64	11.51	11.53	83.62
Medium	275	240	109.40	11.91	3.45	45.58	15.23	9.14	85.31
Fast	350	200	93.80	11.40	4.04	46.90	19.32	5.71	87.37
Roll 3rd or additional coats									
Slow	260	365	125.00	9.88	2.39	34.25	8.84	8.85	64.21
Medium	335	330	109.40	9.78	2.84	33.15	11.44	6.86	64.07
Fast	410	295	93.80	9.73	3.44	31.80	13.94	4.12	63.03

Use this table to estimate the cost of painting shingle, shake, resawn or rough sawn wood or plywood siding with average moisture content. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. For wood or composition drop siding with exposed bevel edges, multiply the surface area by 1.12 to allow for the extra time and material needed to paint the underside of each board. Other qualifications that apply to this table are on page 9. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, rough sawn or resawn wood, spray</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Spray 1st coat									
Slow	400	140	66.75	6.43	1.54	47.68	10.57	10.60	76.82
Medium	500	115	58.40	6.55	1.89	50.78	14.81	8.88	82.91
Fast	600	90	50.10	6.65	2.36	55.67	20.05	5.93	90.66
Spray 2nd coat									
Slow	500	150	66.75	5.14	1.23	44.50	9.67	9.69	70.23
Medium	600	125	58.40	5.46	1.59	46.72	13.44	8.06	75.27
Fast	700	100	50.10	5.70	2.02	50.10	17.92	5.30	81.04
Spray 3rd or additional coats									
Slow	550	200	66.75	4.67	1.13	33.38	7.44	7.46	54.08
Medium	650	170	58.40	5.04	1.46	34.35	10.21	6.13	57.19
Fast	750	140	50.10	5.32	1.86	35.79	13.33	3.94	60.24
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Spray 1st coat									
Slow	400	170	74.45	6.43	1.54	43.79	9.83	9.85	71.44
Medium	500	150	65.15	6.55	1.89	43.43	12.97	7.78	72.62
Fast	600	130	55.85	6.65	2.36	42.96	16.11	4.76	72.84
Spray 2nd coat									
Slow	450	255	74.45	5.71	1.37	29.20	6.89	6.91	50.08
Medium	550	235	65.15	5.95	1.73	27.72	8.85	5.31	49.56
Fast	650	215	55.85	6.14	2.17	25.98	10.63	3.14	48.06
Spray 3rd or additional coats									
Slow	550	355	74.45	4.67	1.13	20.97	5.08	5.09	36.94
Medium	650	335	65.15	5.04	1.46	19.45	6.49	3.89	36.33
Fast	750	315	55.85	5.32	1.86	17.73	7.73	2.29	34.93
Penetrating oil stain (material #13)									
Spray 1st coat									
Slow	400	200	125.00	6.43	1.54	62.50	13.39	13.42	97.28
Medium	500	180	109.40	6.55	1.89	60.78	17.31	10.38	96.91
Fast	600	160	93.80	6.65	2.36	58.63	20.97	6.20	94.81
Spray 2nd coat									
Slow	450	290	125.00	5.71	1.37	43.10	9.53	9.55	69.26
Medium	550	245	109.40	5.95	1.73	44.65	13.08	7.85	73.26
Fast	650	200	93.80	6.14	2.17	46.90	17.12	5.06	77.39
Spray 3rd or additional coats									
Slow	550	390	125.00	4.67	1.13	32.05	7.19	7.20	52.24
Medium	650	360	109.40	5.04	1.46	30.39	9.22	5.53	51.64
Fast	750	330	93.80	5.32	1.86	28.42	11.04	3.27	49.91

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Waterproofing, clear hydro seal, oil base (material #34)									
Spray 1st coat									
Slow	500	150	70.90	5.14	1.23	47.27	10.19	10.21	74.04
Medium	575	113	62.10	5.70	1.64	54.96	15.58	9.35	87.23
Fast	650	75	53.20	6.14	2.17	70.93	24.56	7.27	111.07
Spray 2nd coat									
Slow	575	175	70.90	4.47	1.08	40.51	8.75	8.77	63.58
Medium	675	150	62.10	4.85	1.40	41.40	11.91	7.15	66.71
Fast	775	125	53.20	5.15	1.81	42.56	15.35	4.54	69.41
Spray 3rd or additional coats									
Slow	650	200	70.90	3.95	.96	35.45	7.67	7.68	55.71
Medium	750	175	62.10	4.37	1.24	35.49	10.28	6.17	57.55
Fast	850	150	53.20	4.69	1.68	35.47	12.96	3.83	58.63

Use this table to estimate the cost of painting shingle, shake, resawn or rough sawn wood or plywood siding with average moisture content. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. For wood or composition drop siding with exposed beveled edges, multiply the surface area by 1.12 to allow for the extra time and material needed to paint the underside of each board. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, smooth wood, brush</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Brush 1st coat									
Slow	100	275	66.75	25.70	6.17	24.27	10.67	10.69	77.50
Medium	125	250	58.40	26.20	7.57	23.36	14.28	8.57	79.98
Fast	150	225	50.10	26.60	9.39	22.27	18.06	5.34	81.66
Brush 2nd coat									
Slow	135	350	66.75	19.04	4.58	19.07	8.11	8.13	58.93
Medium	168	325	58.40	19.49	5.62	17.97	10.77	6.46	60.31
Fast	200	300	50.10	19.95	7.04	16.70	13.54	4.01	61.24
Brush 3rd or additional coats									
Slow	150	425	66.75	17.13	4.13	15.71	7.02	7.04	51.03
Medium	188	400	58.40	17.42	5.04	14.60	9.26	5.56	51.88
Fast	215	375	50.10	18.56	6.54	13.36	11.93	3.53	53.92
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Brush 1st coat									
Slow	100	400	74.45	25.70	6.17	18.61	9.59	9.61	69.68
Medium	125	363	65.15	26.20	7.57	17.95	12.93	7.76	72.41
Fast	150	325	55.85	26.60	9.40	17.18	16.48	4.88	74.54
Brush 2nd coat									
Slow	135	450	74.45	19.04	4.58	16.54	7.63	7.64	55.43
Medium	168	408	65.15	19.49	5.62	15.97	10.27	6.16	57.51
Fast	200	375	55.85	19.95	7.04	14.89	12.98	3.84	58.70
Brush 3rd or additional coats									
Slow	150	525	74.45	17.13	4.13	14.18	6.73	6.74	48.91
Medium	188	450	65.15	17.42	5.03	14.48	9.23	5.54	51.70
Fast	215	438	55.85	18.56	6.55	12.75	11.74	3.47	53.07
Penetrating oil stain (material #13)									
Brush 1st coat									
Slow	100	315	125.00	25.70	6.17	39.68	13.59	13.62	98.76
Medium	125	303	109.40	26.20	7.57	36.11	17.47	10.48	97.83
Fast	150	290	93.80	26.60	9.40	32.34	21.18	6.27	95.79

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 2nd coat									
Slow	135	355	125.00	19.04	4.58	35.21	11.18	11.20	81.21
Medium	168	343	109.40	19.49	5.62	31.90	14.26	8.55	79.82
Fast	200	330	93.80	19.95	7.04	28.42	17.18	5.08	77.67
Brush 3rd or additional coats									
Slow	150	525	125.00	17.13	4.13	23.81	8.56	8.58	62.21
Medium	188	450	109.40	17.42	5.04	24.31	11.69	7.01	65.47
Fast	215	438	93.80	18.56	6.54	21.42	14.42	4.27	65.21

Use this table for butt or tongue and groove siding, joint lap, drop, beveled or board and batten siding in redwood, plywood, fir, hemlock or pine. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. For wood or composition drop siding with exposed bevel edges, multiply the surface area by 1.12 to allow for the extra time and material needed to paint the underside of each board. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, smooth wood, roll</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Roll 1st coat									
Slow	175	250	66.75	14.69	3.51	26.70	8.53	8.55	61.98
Medium	225	238	58.40	14.56	4.18	24.54	10.83	6.50	60.61
Fast	275	225	50.10	14.51	5.14	22.27	12.99	3.84	58.75
Roll 2nd coat									
Slow	225	300	66.75	11.42	2.73	22.25	6.92	6.93	50.25
Medium	275	288	58.40	11.91	3.45	20.28	8.91	5.34	49.89
Fast	325	275	50.10	12.28	4.35	18.22	10.80	3.19	48.84
Roll 3rd or additional coats									
Slow	260	375	66.75	9.88	2.39	17.80	5.71	5.72	41.50
Medium	335	338	58.40	9.78	2.84	17.28	7.47	4.48	41.85
Fast	410	300	50.10	9.73	3.44	16.70	9.26	2.74	41.87
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Roll 1st coat									
Slow	175	350	74.45	14.69	3.51	21.27	7.50	7.52	54.49
Medium	225	325	65.15	14.56	4.18	20.05	9.71	5.82	54.32
Fast	275	300	55.85	14.51	5.14	18.62	11.86	3.51	53.64
Roll 2nd coat									
Slow	225	400	74.45	11.42	2.73	18.61	6.23	6.24	45.23
Medium	275	375	65.15	11.91	3.45	17.37	8.18	4.91	45.82
Fast	325	350	55.85	12.28	4.35	15.96	10.10	2.99	45.68
Roll 3rd or additional coats									
Slow	260	425	74.45	9.88	2.39	17.52	5.66	5.67	41.12
Medium	335	413	65.15	9.78	2.84	15.77	7.10	4.26	39.75
Fast	410	400	55.85	9.73	3.44	13.96	8.41	2.49	38.03
Penetrating oil stain (material #13)									
Roll 1st coat									
Slow	175	200	125.00	14.69	3.51	62.50	15.34	15.37	111.41
Medium	225	150	109.40	14.56	4.18	72.93	22.93	13.76	128.36
Fast	275	100	93.80	14.51	5.14	93.80	35.16	10.40	159.01



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 2nd coat									
Slow	225	250	125.00	11.42	2.73	50.00	12.19	12.22	88.56
Medium	275	200	109.40	11.91	3.45	54.70	17.51	10.51	98.08
Fast	325	150	93.80	12.28	4.35	62.53	24.53	7.26	110.95
Roll 3rd or additional coats									
Slow	260	300	125.00	9.88	2.39	41.67	10.24	10.27	74.45
Medium	335	250	109.40	9.78	2.84	43.76	14.09	8.46	78.93
Fast	410	200	93.80	9.73	3.44	46.90	18.62	5.51	84.20

Use this table for butt or tongue and groove siding, joint lap, drop, beveled or board and batten siding in redwood, plywood, fir, hemlock or pine. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. For wood or composition drop siding with exposed beveled edges, multiply the surface area by 1.12 to allow for the extra time and material needed to paint the underside of each board. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Siding, smooth wood, spray</b>									
Solid body or semi-transparent stain, water base (material #18 or #20)									
Spray 1st coat									
Slow	450	150	66.75	5.71	1.37	44.50	9.80	9.82	71.20
Medium	550	125	58.40	5.95	1.73	46.72	13.60	8.16	76.16
Fast	650	100	50.10	6.14	2.17	50.10	18.11	5.36	81.88
Spray 2nd coat									
Slow	550	250	66.75	4.67	1.13	26.70	6.17	6.19	44.86
Medium	650	225	58.40	5.04	1.46	25.96	8.12	4.87	45.45
Fast	750	200	50.10	5.32	1.86	25.05	10.00	2.96	45.19
Spray 3rd or additional coats									
Slow	650	350	66.75	3.95	.96	19.07	4.55	4.56	33.09
Medium	750	325	58.40	4.37	1.24	17.97	5.90	3.54	33.02
Fast	850	300	50.10	4.69	1.68	16.70	7.15	2.11	32.33
Solid body or semi-transparent stain, oil base (material #19 or #21)									
Spray 1st coat									
Slow	450	170	74.45	5.71	1.37	43.79	9.67	9.69	70.23
Medium	550	150	65.15	5.95	1.73	43.43	12.78	7.67	71.56
Fast	650	130	55.85	6.14	2.17	42.96	15.89	4.70	71.86
Spray 2nd coat									
Slow	550	300	74.45	4.67	1.13	24.82	5.82	5.83	42.27
Medium	650	273	65.15	5.04	1.46	23.86	7.59	4.55	42.50
Fast	750	245	55.85	5.32	1.86	22.80	9.30	2.75	42.03
Spray 3rd or additional coats									
Slow	650	400	74.45	3.95	.96	18.61	4.47	4.48	32.47
Medium	750	373	65.15	4.37	1.24	17.47	5.78	3.47	32.33
Fast	850	345	55.85	4.69	1.68	16.19	6.99	2.07	31.62
Penetrating oil stain (material #13)									
Spray 1st coat									
Slow	450	150	125.00	5.71	1.37	83.33	17.18	17.21	124.80
Medium	550	113	109.40	5.95	1.73	96.81	26.12	15.67	146.28
Fast	650	75	93.80	6.14	2.17	125.07	41.35	12.23	186.96
Spray 2nd coat									
Slow	550	225	125.00	4.67	1.13	55.56	11.66	11.68	84.70
Medium	650	188	109.40	5.04	1.46	58.19	16.17	9.70	90.56
Fast	750	150	93.80	5.32	1.86	62.53	21.62	6.39	97.72
Spray 3rd or additional coats									
Slow	650	250	125.00	3.95	.96	50.00	10.43	10.45	75.79
Medium	750	225	109.40	4.37	1.24	48.62	13.56	8.14	75.93
Fast	850	200	93.80	4.69	1.68	46.90	16.51	4.88	74.66

## General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Waterproofing, clear hydro seal, oil base (material #34)									
Spray 1st coat									
Slow	550	250	70.90	4.67	1.13	28.36	6.49	6.50	47.15
Medium	650	200	62.10	5.04	1.46	31.05	9.39	5.63	52.57
Fast	750	150	53.20	5.32	1.86	35.47	13.23	3.91	59.79
Spray 2nd coat									
Slow	650	300	70.90	3.95	.96	23.63	5.42	5.43	39.39
Medium	750	250	62.10	4.37	1.24	24.84	7.62	4.57	42.64
Fast	850	200	53.20	4.69	1.68	26.60	10.21	3.02	46.20
Spray 3rd or additional coats									
Slow	700	325	70.90	3.67	.89	21.82	5.01	5.02	36.41
Medium	800	275	62.10	4.09	1.19	22.58	6.96	4.18	39.00
Fast	900	225	53.20	4.43	1.56	23.64	9.19	2.72	41.54

Use this table for butt or tongue and groove siding, joint lap, drop, beveled or board and batten siding in redwood, plywood, fir, hemlock or pine. Don't deduct for openings under 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. For wood or composition drop siding with exposed bevel edges, multiply the surface area by 1.12 to allow for the extra time and material needed to paint the underside of each board. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

### Stair steps, interior or exterior, wood

To estimate the cost to paint or stain stairs, find the surface area. Then use the tables for wood siding. To find the surface area of each tread and riser, multiply the length by the width. To find the tread length, add the run, the rise, and the tread nosing. For example, a tread with a 12" run, an 8" rise, and 1" nosing, has a 23" surface area (measured one side). For estimating purposes, figure any length from 14" to 26" as 2 feet. Use the actual width of the tread if the stringers are calculated separately. If the tread in the example is 3 feet wide and you use 2 feet for the length, the surface area is 6 feet. If there are 15 treads, the total top surface area is 90 square feet.

If you're calculating the area to paint the stair treads and stringers in one operation, add 2 feet to the actual tread width to include the stringers. That would make the effective width of the tread in the example 5 feet. Then multiply 5 feet by 2 feet to find the area of each tread, 10 square feet. For 15 treads, the total surface area is 150 square feet.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Stair stringers, exterior, metal, shapes up to 14" wide, each side</b>									
Metal primer - rust inhibitor, clean metal (material #35)									
Roll & brush prime coat									
Slow	50	120	75.10	51.40	12.34	62.58	24.00	24.05	174.37
Medium	55	115	65.70	59.55	17.19	57.13	33.47	20.08	187.42
Fast	60	110	56.30	66.50	23.48	51.18	43.76	12.94	197.86
Metal primer - rust inhibitor, rusty metal (material #36)									
Roll & brush prime coat									
Slow	50	120	95.10	51.40	12.34	79.25	27.17	27.23	197.39
Medium	55	115	83.20	59.55	17.19	72.35	37.28	22.37	208.74
Fast	60	110	71.30	66.50	23.48	64.82	47.98	14.19	216.97
Metal finish - synthetic enamel, off white (material #37)									
Roll & brush 1st or additional finish coats									
Slow	50	135	78.60	51.40	12.34	58.22	23.17	23.22	168.35
Medium	55	130	68.80	59.55	17.19	52.92	32.42	19.45	181.53
Fast	60	125	59.00	66.50	23.48	47.20	42.52	12.58	192.28
Metal finish - synthetic enamel, colors - except orange/red (material #38)									
Roll & brush 1st or additional finish coats									
Slow	50	135	75.70	51.40	12.34	56.07	22.76	22.81	165.38
Medium	55	130	66.20	59.55	17.19	50.92	31.92	19.15	178.73
Fast	60	125	56.70	66.50	23.48	45.36	41.95	12.41	189.70

Use these figures to paint each side of installed stair stringers. Measurements are based on linear feet of each stringer. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. Using one coat of oil base paint on exterior metal may result in cracking, peeling or chipping without the proper prime coat application. Pre-primed steel or wrought iron generally requires only one coat to cover. The metal finish figures include minor touchup to the prime coat. If off white or other light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Stair stringers, exterior, rough sawn wood up to 4" x 12"</b>									
Solid body or semi-transparent stain, water or oil base (material #18, #19, #20 or #21)									
Roll & brush each coat									
Slow	40	70	70.60	64.25	15.43	100.86	34.30	34.37	249.21
Medium	45	65	61.78	72.78	21.01	95.05	47.22	28.33	264.39
Fast	50	60	52.98	79.80	28.16	88.30	60.84	18.00	275.10

Measurements are based on the linear feet of each stringer. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Stair stringers, interior, metal, shapes up to 14" wide, each side</b>									
Metal primer - rust inhibitor, clean metal (material #35)									
Roll & brush prime coat									
Slow	45	130	75.10	57.11	13.71	57.77	24.43	24.48	177.50
Medium	50	125	65.70	65.50	18.92	52.56	34.25	20.55	191.78
Fast	55	120	56.30	72.55	25.59	46.92	44.97	13.30	203.33
Metal primer - rust inhibitor, rusty metal (material #36)									
Roll & brush prime coat									
Slow	45	130	95.10	57.11	13.71	73.15	27.35	27.41	198.73
Medium	50	125	83.20	65.50	18.92	66.56	37.75	22.65	211.38
Fast	55	120	71.30	72.55	25.59	59.42	48.85	14.45	220.86
Metal finish - synthetic enamel, off white (material #37)									
Roll & brush 1st or additional finish coats									
Slow	45	145	78.60	57.11	13.71	54.21	23.76	23.81	172.60
Medium	50	140	68.80	65.50	18.92	49.14	33.39	20.04	186.99
Fast	55	135	59.00	72.55	25.59	43.70	43.98	13.01	198.83
Metal finish - synthetic enamel, colors - except orange/red (material #38)									
Roll & brush 1st or additional finish coats									
Slow	45	145	75.70	57.11	13.71	52.21	23.38	23.43	169.84
Medium	50	140	66.20	65.50	18.92	47.29	32.93	19.76	184.40
Fast	55	135	56.70	72.55	25.59	42.00	43.45	12.85	196.44

Use these figures to paint each side of installed stair stringers. Measurements are based on linear feet of each stringer. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Although water base material is often used, it may cause oxidation, corrosion and rust. Using one coat of oil base paint on exterior metal may result in cracking, peeling or chipping without the proper prime coat application. Pre-primed steel or wrought iron generally requires only one coat to cover. The metal finish figures include minor touchup to the prime coat. If off white or other light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Stair stringers, interior, rough sawn wood up to 4" x 12", each side</b>									
Solid body or semi-transparent stain, water or oil base (material #18, #19, #20 or #21)									
Roll & brush each coat									
Slow	35	60	70.60	73.43	17.62	117.67	39.66	39.74	288.12
Medium	40	55	61.78	81.88	23.65	112.33	54.47	32.68	305.01
Fast	45	50	52.98	88.67	31.27	105.96	70.04	20.72	316.66

Measurements are based on the linear feet of each side of each stringer. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

### Stucco: see Plaster and stucco

### Touchup, brush as required

	Percentage of interior manhours	Percentage of interior material costs
Interior & exterior		
Slow	20.0%	1.0%
Medium	18.0%	1.0%
Fast	15.0%	1.0%
Interior only		
Slow	10.0%	0.5%
Medium	9.0%	0.5%
Fast	7.5%	0.5%
	Percentage of exterior manhours	Percentage of exterior material costs
Exterior only		
Slow	10.0%	0.5%
Medium	9.0%	0.5%
Fast	7.5%	0.5%

Touchup will be required on nearly all repaint jobs. Using these percentages is an easy but accurate way to calculate touchup costs. When painting both interiors and exteriors, use the appropriate percentage of interior hours only. When painting either the interior or the exterior of a building, use the appropriate figures as indicated for touchup. Multiply the percentages above times the total manhours and material costs as indicated to allow enough time for production and customer service touchup. The skill of your paint crews and the type of job will determine the time and material needed. To calculate an accurate percentage for your company, use your actual time and material costs for touchup on previous projects (historical costs) and convert this figure into a percentage of the total job cost.

*General Painting Costs*

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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### Trellis or lattice, roll and brush

2" x 2" to 2" x 6", roll & brush all sides, each coat

Solid body or semi-transparent stain, water or oil base (material #18, #19, #20 or #21)

Slow	120	130	70.60	21.42	5.13	54.31	15.37	15.40	111.63
Medium	125	120	61.78	26.20	7.57	51.48	21.31	12.79	119.35
Fast	130	110	52.98	30.69	10.82	48.16	27.80	8.22	125.69

2" x 8" to 4" x 12", roll & brush all sides, each coat

Solid body or semi-transparent stain, water or oil base (material #18, #19, #20 or #21)

Slow	100	100	70.60	25.70	6.17	70.60	19.47	19.51	141.45
Medium	110	90	61.78	29.77	8.60	68.64	26.75	16.05	149.81
Fast	120	80	52.98	33.25	11.72	66.23	34.48	10.20	155.88

Measurements are based on accumulated total linear feet of each trellis or lattice member. These figures are based on roll and brush staining of all four sides and the ends of each member per coat. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	SF surface area per manhour	SF surface area per gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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### Trellis or lattice, spray

2" x 2" at 3" on center with 2" x 8" supports, spray all sides, each coat

Solid body or semi-transparent stain, water or oil base (material #18, #19, #20 or #21)

Slow	50	60	70.60	51.40	12.34	117.67	34.47	34.54	250.42
Medium	55	55	61.78	59.55	17.19	112.33	47.27	28.36	264.70
Fast	60	50	52.98	66.50	23.48	105.96	60.74	17.97	274.65

Measurements are based on the square feet of the surface area footprint of the trellis or lattice structure. (The footprint is the surface area seen from the plan or overhead view.) These figures are based on staining all four sides of each member per coat. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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### Valances for light fixtures, 2" x 8"

Solid body or semi-transparent stain, water or oil base (material #18, #19, #20 or #21)

Brush each coat

Slow	30	100	70.60	85.67	20.55	70.60	33.60	33.67	244.09
Medium	35	95	61.78	93.57	27.02	65.03	46.41	27.85	259.88
Fast	40	90	52.98	99.75	35.20	58.87	60.09	17.77	271.68

Rough sawn or resawn 2" x 8" wood valances are commonly found in baths and kitchens surrounding light fixtures or supporting plastic cracked-ice diffusers. Measurements are based on the linear feet of the valance. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

**Walls, Concrete tilt-up: See Industrial, Institutional and Heavy Commercial Painting Costs, page 412**



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, anti-graffiti stain eliminator, per 100 SF of wall area</b>									
Water base primer and sealer (material #39)									
Roll & brush each coat									
Slow	375	450	75.60	6.85	1.66	16.80	4.81	4.82	34.94
Medium	400	425	66.20	8.19	2.36	15.58	6.54	3.92	36.59
Fast	425	400	56.70	9.39	3.30	14.18	8.33	2.46	37.66
Oil base primer and sealer (material #40)									
Roll & brush each coat									
Slow	375	400	81.90	6.85	1.66	20.48	5.50	5.52	40.01
Medium	400	388	71.60	8.19	2.36	18.45	7.25	4.35	40.60
Fast	425	375	61.40	9.39	3.30	16.37	9.01	2.67	40.74
Polyurethane 2 part system (material #41)									
Roll & brush each coat									
Slow	325	400	251.60	7.91	1.91	62.90	13.81	13.84	100.37
Medium	350	375	220.20	9.36	2.71	58.72	17.70	10.62	99.11
Fast	375	350	188.70	10.64	3.77	53.91	21.18	6.26	95.76

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, orange peel or knock-down, brush, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	150	300	50.60	17.13	4.13	16.87	7.24	7.26	52.63
Medium	175	288	44.30	18.71	5.39	15.38	9.88	5.93	55.29
Fast	200	275	38.00	19.95	7.04	13.82	12.65	3.74	57.20
Brush 2nd coat									
Slow	175	350	50.60	14.69	3.51	14.46	6.21	6.22	45.09
Medium	200	338	44.30	16.38	4.73	13.11	8.56	5.13	47.91
Fast	225	325	38.00	17.73	6.24	11.69	11.06	3.27	49.99
Brush 3rd or additional coats									
Slow	200	400	50.60	12.85	3.09	12.65	5.43	5.44	39.46
Medium	225	375	44.30	14.56	4.18	11.81	7.65	4.59	42.79
Fast	250	350	38.00	15.96	5.63	10.86	10.06	2.98	45.49
Sealer (drywall), water base (material #1)									
Brush prime coat									
Slow	125	300	54.70	20.56	4.94	18.23	8.31	8.32	60.36
Medium	163	288	47.80	20.09	5.78	16.60	10.63	6.38	59.48
Fast	200	275	41.00	19.95	7.04	14.91	12.99	3.84	58.73
Sealer (drywall), oil base (material #2)									
Brush prime coat									
Slow	125	250	73.30	20.56	4.94	29.32	10.41	10.44	75.67
Medium	163	238	64.10	20.09	5.78	26.93	13.21	7.92	73.93
Fast	200	225	55.00	19.95	7.04	24.44	15.94	4.72	72.09
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	100	300	67.00	25.70	6.17	22.33	10.30	10.32	74.82
Medium	150	288	58.60	21.83	6.32	20.35	12.12	7.27	67.89
Fast	200	275	50.20	19.95	7.04	18.25	14.02	4.15	63.41
Brush 2nd or additional finish coats									
Slow	125	350	67.00	20.56	4.94	19.14	8.48	8.50	61.62
Medium	163	325	58.60	20.09	5.78	18.03	10.98	6.59	61.47
Fast	200	300	50.20	19.95	7.04	16.73	13.55	4.01	61.28
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	100	325	159.80	25.70	6.17	49.17	15.40	15.43	111.87
Medium	150	300	139.80	21.83	6.32	46.60	18.69	11.21	104.65
Fast	200	275	119.80	19.95	7.04	43.56	21.87	6.47	98.89

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 2nd or additional finish coats									
Slow	125	350	159.80	20.56	4.94	45.66	13.52	13.55	98.23
Medium	163	325	139.80	20.09	5.78	43.02	17.23	10.34	96.46
Fast	200	300	119.80	19.95	7.04	39.93	20.75	6.14	93.81
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	175	350	255.10	14.69	3.51	72.89	17.31	17.35	125.75
Medium	200	325	223.20	16.38	4.73	68.68	22.45	13.47	125.71
Fast	225	300	191.30	17.73	6.24	63.77	27.21	8.05	123.00
Brush 2nd or additional coats									
Slow	200	375	255.10	12.85	3.09	68.03	15.95	15.99	115.91
Medium	225	350	223.20	14.56	4.18	63.77	20.64	12.38	115.53
Fast	250	325	191.30	15.96	5.63	58.86	24.94	7.38	112.77

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, orange peel or knock-down, roll, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	400	300	50.60	6.43	1.54	16.87	4.72	4.73	34.29
Medium	538	275	44.30	6.09	1.76	16.11	5.99	3.59	33.54
Fast	675	250	38.00	5.91	2.08	15.20	7.19	2.13	32.51
Roll 2nd coat									
Slow	500	325	50.60	5.14	1.23	15.57	4.17	4.18	30.29
Medium	600	313	44.30	5.46	1.59	14.15	5.30	3.18	29.68
Fast	700	300	38.00	5.70	2.02	12.67	6.32	1.87	28.58
Roll 3rd or additional coats									
Slow	550	350	50.60	4.67	1.13	14.46	3.85	3.86	27.97
Medium	650	338	44.30	5.04	1.46	13.11	4.90	2.94	27.45
Fast	750	325	38.00	5.32	1.86	11.69	5.86	1.73	26.46
Sealer (drywall), water base (material #1)									
Roll prime coat									
Slow	325	275	54.70	7.91	1.91	19.89	5.64	5.65	41.00
Medium	500	263	47.80	6.55	1.89	18.17	6.65	3.99	37.25
Fast	675	250	41.00	5.91	2.08	16.40	7.56	2.24	34.19
Sealer (drywall), oil base (material #2)									
Roll prime coat									
Slow	325	275	73.30	7.91	1.91	26.65	6.93	6.94	50.34
Medium	500	263	64.10	6.55	1.89	24.37	8.20	4.92	45.93
Fast	675	250	55.00	5.91	2.08	22.00	9.30	2.75	42.04
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	300	285	67.00	8.57	2.04	23.51	6.49	6.50	47.11
Medium	450	263	58.60	7.28	2.09	22.28	7.92	4.75	44.32
Fast	600	240	50.20	6.65	2.36	20.92	9.28	2.74	41.95
Roll 2nd finish coat									
Slow	325	300	67.00	7.91	1.91	22.33	6.11	6.12	44.38
Medium	475	288	58.60	6.89	2.02	20.35	7.31	4.38	40.95
Fast	625	275	50.20	6.38	2.26	18.25	8.33	2.46	37.68
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	300	250	159.80	8.57	2.04	63.92	14.16	14.19	102.88
Medium	450	238	139.80	7.28	2.09	58.74	17.03	10.22	95.36
Fast	600	225	119.80	6.65	2.36	53.24	19.29	5.71	87.25

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 2nd finish coat									
Slow	325	275	159.80	7.91	1.91	58.11	12.90	12.93	93.76
Medium	475	263	139.80	6.89	2.02	53.16	15.51	9.31	86.89
Fast	625	250	119.80	6.38	2.26	47.92	17.53	5.19	79.28
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	325	300	255.10	7.91	1.91	85.03	18.02	18.06	130.93
Medium	488	288	223.20	6.71	1.94	77.50	21.54	12.92	120.61
Fast	700	275	191.30	5.70	2.02	69.56	23.95	7.09	108.32
Roll 2nd or additional coats									
Slow	400	325	255.10	6.43	1.54	78.49	16.43	16.46	119.35
Medium	575	313	223.20	5.70	1.64	71.31	19.67	11.80	110.12
Fast	750	300	191.30	5.32	1.86	63.77	22.00	6.51	99.46

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over an orange peel or knock-down texture finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	SF of floor area per manhour	SF of floor area per gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, orange peel or knock-down, roll, per 100 SF of floor area</b>									
Flat latex, water base (material #5)									
Roll 1st coat on <i>walls only</i>									
Slow	250	175	50.60	10.28	2.47	28.91	7.92	7.93	57.51
Medium	325	158	44.30	10.08	2.92	28.04	10.26	6.15	57.45
Fast	400	140	38.00	9.98	3.52	27.14	12.60	3.73	56.97
Roll 2nd coat on <i>walls only</i>									
Slow	300	200	50.60	8.57	2.04	25.30	6.83	6.84	49.58
Medium	400	188	44.30	8.19	2.36	23.56	8.53	5.12	47.76
Fast	500	175	38.00	7.98	2.82	21.71	10.08	2.98	45.57
Sealer (drywall), water base (material #1) on <i>walls and ceilings</i>									
Roll prime coat									
Slow	100	100	54.70	25.70	6.17	54.70	16.45	16.48	119.50
Medium	170	88	47.80	19.26	5.56	54.32	19.79	11.87	110.80
Fast	240	75	41.00	16.63	5.88	54.67	23.92	7.08	108.18
Sealer (drywall), oil base (material #2) on <i>walls and ceilings</i>									
Roll prime coat									
Slow	100	100	73.30	25.70	6.17	73.30	19.98	20.02	145.17
Medium	170	88	64.10	19.26	5.56	72.84	24.42	14.65	136.73
Fast	240	75	55.00	16.63	5.88	73.33	29.71	8.79	134.34
Enamel, water base (material #9) on <i>walls and ceilings</i>									
Roll 1st finish coat									
Slow	70	100	67.00	36.71	8.83	67.00	21.38	21.42	155.34
Medium	100	90	58.60	32.75	9.46	65.11	26.83	16.10	150.25
Fast	135	80	50.20	29.56	10.44	62.75	31.85	9.42	144.02
Roll 2nd finish coat									
Slow	125	150	67.00	20.56	4.94	44.67	13.33	13.36	96.86
Medium	175	125	58.60	18.71	5.39	46.88	17.75	10.65	99.38
Fast	225	100	50.20	17.73	6.24	50.20	23.00	6.80	103.97

## General Painting Costs

	SF of floor area per manhour	SF of floor area per gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10) on walls and ceilings									
Roll 1st finish coat									
Slow	70	100	159.80	36.71	8.83	159.80	39.01	39.09	283.44
Medium	100	90	139.80	32.75	9.46	155.33	49.39	29.63	276.56
Fast	135	80	119.80	29.56	10.44	149.75	58.82	17.40	265.97
Roll 2nd finish coat									
Slow	125	150	159.80	20.56	4.94	106.53	25.08	25.14	182.25
Medium	175	125	139.80	18.71	5.39	111.84	33.99	20.39	190.32
Fast	225	100	119.80	17.73	6.24	119.80	44.57	13.19	201.53

Measurements for these costs are based on square feet of floor area. The flat wall figures are for painting walls only but the Sealer and Enamel figures are for painting walls and ceilings in wet areas, i.e. kitchens, baths, utility areas, etc. The floor area measurements are from outside wall to outside wall or from the edge of the concrete slab or from the outside edge of an interior wall. This method of figuring the costs to paint the walls and ceilings is not as accurate as measuring the actual surface area of the wall or ceiling area directly, but it is much less time consuming. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, orange peel or knock-down, spray, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	700	250	50.60	3.67	.89	20.24	4.71	4.72	34.23
Medium	800	225	44.30	4.09	1.19	19.69	6.24	3.74	34.95
Fast	900	200	38.00	4.43	1.56	19.00	7.75	2.29	35.03
Spray 2nd coat									
Slow	800	300	50.60	3.21	.77	16.87	3.96	3.97	28.78
Medium	900	275	44.30	3.64	1.05	16.11	5.20	3.12	29.12
Fast	1000	250	38.00	3.99	1.41	15.20	6.39	1.89	28.88
Spray 3rd or additional coats									
Slow	850	325	50.60	3.02	.74	15.57	3.67	3.68	26.68
Medium	950	300	44.30	3.45	.98	14.77	4.81	2.88	26.89
Fast	1050	275	38.00	3.80	1.33	13.82	5.88	1.74	26.57
Sealer (drywall), water base (material #1)									
Spray prime coat									
Slow	575	250	54.70	4.47	1.08	21.88	5.21	5.22	37.86
Medium	738	225	47.80	4.44	1.30	21.24	6.74	4.04	37.76
Fast	900	200	41.00	4.43	1.56	20.50	8.21	2.43	37.13
Sealer (drywall), oil base (material #2)									
Spray prime coat									
Slow	575	250	73.30	4.47	1.08	29.32	6.62	6.64	48.13
Medium	738	225	64.10	4.44	1.30	28.49	8.55	5.13	47.91
Fast	900	200	55.00	4.43	1.56	27.50	10.38	3.07	46.94
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	500	250	67.00	5.14	1.23	26.80	6.30	6.32	45.79
Medium	675	238	58.60	4.85	1.40	24.62	7.72	4.63	43.22
Fast	850	225	50.20	4.69	1.68	22.31	8.88	2.63	40.19
Spray 2nd finish coat									
Slow	525	275	67.00	4.90	1.16	24.36	5.78	5.80	42.00
Medium	700	263	58.60	4.68	1.36	22.28	7.08	4.25	39.65
Fast	875	250	50.20	4.56	1.59	20.08	8.14	2.41	36.78
Spray 3rd or additional finish coats									
Slow	575	300	67.00	4.47	1.08	22.33	5.30	5.31	38.49
Medium	775	275	58.60	4.23	1.22	21.31	6.69	4.01	37.46
Fast	925	250	50.20	4.31	1.52	20.08	8.03	2.38	36.32



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	500	250	159.80	5.14	1.23	63.92	13.36	13.38	97.03
Medium	675	225	139.80	4.85	1.40	62.13	17.10	10.26	95.74
Fast	850	200	119.80	4.69	1.68	59.90	20.54	6.08	92.89
Spray 2nd finish coat									
Slow	525	275	159.80	4.90	1.16	58.11	12.20	12.22	88.59
Medium	700	250	139.80	4.68	1.36	55.92	15.49	9.29	86.74
Fast	875	225	119.80	4.56	1.59	53.24	18.42	5.45	83.26
Spray 3rd or additional finish coat									
Slow	575	300	159.80	4.47	1.08	53.27	11.17	11.20	81.19
Medium	775	275	139.80	4.23	1.22	50.84	14.07	8.44	78.80
Fast	925	250	119.80	4.31	1.52	47.92	16.66	4.93	75.34

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include spraying at corners when all walls are the same color, and at ceiling-to-wall intersection when ceilings are the same color. ADD for cutting-in at ceilings and protecting adjacent surfaces from overspray if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, skip trowel or sand finish, brush, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	175	325	50.60	14.69	3.51	15.57	6.42	6.43	46.62
Medium	200	313	44.30	16.38	4.73	14.15	8.82	5.29	49.37
Fast	225	300	38.00	17.73	6.24	12.67	11.36	3.36	51.36
Brush 2nd coat									
Slow	200	400	50.60	12.85	3.09	12.65	5.43	5.44	39.46
Medium	225	375	44.30	14.56	4.18	11.81	7.65	4.59	42.79
Fast	250	350	38.00	15.96	5.63	10.86	10.06	2.98	45.49
Brush 3rd or additional coats									
Slow	225	425	50.60	11.42	2.73	11.91	4.95	4.96	35.97
Medium	250	400	44.30	13.10	3.78	11.08	6.99	4.20	39.15
Fast	275	375	38.00	14.51	5.14	10.13	9.23	2.73	41.74
Sealer (drywall), water base (material #1)									
Brush prime coat									
Slow	140	325	54.70	18.36	4.40	16.83	7.52	7.54	54.65
Medium	183	313	47.80	17.90	5.15	15.27	9.59	5.75	53.66
Fast	225	300	41.00	17.73	6.24	13.67	11.67	3.45	52.76
Sealer (drywall), oil base (material #2)									
Brush prime coat									
Slow	140	350	73.30	18.36	4.40	20.94	8.30	8.32	60.32
Medium	183	338	64.10	17.90	5.15	18.96	10.51	6.30	58.82
Fast	225	325	55.00	17.73	6.24	16.92	12.68	3.75	57.32
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	125	350	67.00	20.56	4.94	19.14	8.48	8.50	61.62
Medium	175	325	58.60	18.71	5.39	18.03	10.54	6.32	58.99
Fast	225	300	50.20	17.73	6.24	16.73	12.62	3.73	57.05
Brush 2nd or additional finish coats									
Slow	140	350	67.00	18.36	4.40	19.14	7.96	7.98	57.84
Medium	185	325	58.60	17.70	5.14	18.03	10.21	6.13	57.21
Fast	235	300	50.20	16.98	6.02	16.73	12.31	3.64	55.68
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	125	350	159.80	20.56	4.94	45.66	13.52	13.55	98.23
Medium	175	325	139.80	18.71	5.39	43.02	16.79	10.07	93.98
Fast	225	300	119.80	17.73	6.24	39.93	19.82	5.86	89.58

## General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 2nd or additional finish coats									
Slow	140	350	159.80	18.36	4.40	45.66	13.00	13.03	94.45
Medium	185	338	139.80	17.70	5.14	41.36	16.05	9.63	89.88
Fast	235	325	119.80	16.98	6.02	36.86	18.55	5.49	83.90
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	200	375	255.10	12.85	3.09	68.03	15.95	15.99	115.91
Medium	225	350	223.20	14.56	4.18	63.77	20.64	12.38	115.53
Fast	250	325	191.30	15.96	5.63	58.86	24.94	7.38	112.77
Brush 2nd or additional coats									
Slow	225	400	255.10	11.42	2.73	63.78	14.81	14.84	107.58
Medium	250	375	223.20	13.10	3.78	59.52	19.10	11.46	106.96
Fast	275	350	191.30	14.51	5.14	54.66	23.03	6.81	104.15

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, skip trowel or sand finish, roll, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	275	325	50.60	9.35	2.25	15.57	5.16	5.17	37.50
Medium	488	300	44.30	6.71	1.94	14.77	5.86	3.51	32.79
Fast	700	275	38.00	5.70	2.02	13.82	6.67	1.97	30.18
Roll 2nd coat									
Slow	350	350	50.60	7.34	1.77	14.46	4.48	4.49	32.54
Medium	538	338	44.30	6.09	1.76	13.11	5.24	3.14	29.34
Fast	725	325	38.00	5.50	1.95	11.69	5.93	1.75	26.82
Roll 3rd or additional coats									
Slow	425	350	50.60	6.05	1.44	14.46	4.17	4.18	30.30
Medium	600	338	44.30	5.46	1.59	13.11	5.04	3.02	28.22
Fast	775	325	38.00	5.15	1.81	11.69	5.78	1.71	26.14
Sealer (drywall), water base (material #1)									
Roll prime coat									
Slow	225	325	54.70	11.42	2.73	16.83	5.89	5.90	42.77
Medium	463	300	47.80	7.07	2.05	15.93	6.26	3.76	35.07
Fast	700	275	41.00	5.70	2.02	14.91	7.01	2.07	31.71
Sealer (drywall), oil base (material #2)									
Roll prime coat									
Slow	225	300	73.30	11.42	2.73	24.43	7.33	7.35	53.26
Medium	463	275	64.10	7.07	2.05	23.31	8.11	4.86	45.40
Fast	700	250	55.00	5.70	2.02	22.00	9.21	2.72	41.65
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	225	300	67.00	11.42	2.73	22.33	6.93	6.95	50.36
Medium	400	288	58.60	8.19	2.36	20.35	7.73	4.64	43.27
Fast	600	275	50.20	6.65	2.36	18.25	8.45	2.50	38.21
Roll 2nd or additional finish coats									
Slow	275	300	67.00	9.35	2.25	22.33	6.44	6.46	46.83
Medium	450	288	58.60	7.28	2.09	20.35	7.43	4.46	41.61
Fast	650	275	50.20	6.14	2.17	18.25	8.23	2.44	37.23
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	225	275	159.80	11.42	2.73	58.11	13.73	13.76	99.75
Medium	400	263	139.80	8.19	2.36	53.16	15.93	9.56	89.20
Fast	600	250	119.80	6.65	2.36	47.92	17.65	5.22	79.80

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 2nd or additional finish coats									
Slow	275	300	159.80	9.35	2.25	53.27	12.32	12.35	89.54
Medium	450	288	139.80	7.28	2.09	48.54	14.48	8.69	81.08
Fast	650	275	119.80	6.14	2.17	43.56	16.08	4.76	72.71
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	350	350	255.10	7.34	1.77	72.89	15.58	15.61	113.19
Medium	550	325	223.20	5.95	1.73	68.68	19.09	11.45	106.90
Fast	725	300	191.30	5.50	1.95	63.77	22.08	6.53	99.83
Roll 2nd or additional coats									
Slow	425	375	255.10	6.05	1.44	68.03	14.35	14.38	104.25
Medium	600	350	223.20	5.46	1.59	63.77	17.70	10.62	99.14
Fast	775	325	191.30	5.15	1.81	58.86	20.41	6.04	92.27

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, skip trowel or sand finish, spray, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	700	275	50.60	3.67	.89	18.40	4.36	4.37	31.69
Medium	800	250	44.30	4.09	1.19	17.72	5.75	3.45	32.20
Fast	900	225	38.00	4.43	1.56	16.89	7.09	2.10	32.07
Spray 2nd coat									
Slow	800	325	50.60	3.21	.77	15.57	3.71	3.72	26.98
Medium	900	300	44.30	3.64	1.05	14.77	4.87	2.92	27.25
Fast	1000	275	38.00	3.99	1.41	13.82	5.96	1.76	26.94
Spray 3rd or additional coats									
Slow	850	325	50.60	3.02	.74	15.57	3.67	3.68	26.68
Medium	950	313	44.30	3.45	.98	14.15	4.65	2.79	26.02
Fast	1050	300	38.00	3.80	1.33	12.67	5.52	1.63	24.95
Sealer (drywall), water base (material #1)									
Spray prime coat									
Slow	575	275	54.70	4.47	1.08	19.89	4.83	4.84	35.11
Medium	738	250	47.80	4.44	1.30	19.12	6.21	3.73	34.80
Fast	900	225	41.00	4.43	1.56	18.22	7.51	2.22	33.94
Sealer (drywall), oil base (material #2)									
Spray prime coat									
Slow	575	275	73.30	4.47	1.08	26.65	6.12	6.13	44.45
Medium	738	250	64.10	4.44	1.30	25.64	7.84	4.70	43.92
Fast	900	225	55.00	4.43	1.56	24.44	9.43	2.79	42.65
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	500	275	67.00	5.14	1.23	24.36	5.84	5.85	42.42
Medium	675	250	58.60	4.85	1.40	23.44	7.42	4.45	41.56
Fast	850	225	50.20	4.69	1.68	22.31	8.88	2.63	40.19
Spray 2nd or additional finish coats									
Slow	525	275	67.00	4.90	1.16	24.36	5.78	5.80	42.00
Medium	700	263	58.60	4.68	1.36	22.28	7.08	4.25	39.65
Fast	900	250	50.20	4.43	1.56	20.08	8.08	2.39	36.54

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	500	250	159.80	5.14	1.23	63.92	13.36	13.38	97.03
Medium	675	238	139.80	4.85	1.40	58.74	16.25	9.75	90.99
Fast	850	225	119.80	4.69	1.68	53.24	18.47	5.46	83.54
Spray 2nd or additional finish coats									
Slow	525	275	159.80	4.90	1.16	58.11	12.20	12.22	88.59
Medium	700	263	139.80	4.68	1.36	53.16	14.80	8.88	82.88
Fast	900	250	119.80	4.43	1.56	47.92	16.71	4.94	75.56

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include spraying at corners when all walls are the same color, and at ceiling-to-wall intersection when ceilings are the same color. ADD for cutting-in at ceilings and protecting adjacent surfaces from overspray if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, smooth-wall finish, brush, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	175	325	50.60	14.69	3.51	15.57	6.42	6.43	46.62
Medium	200	313	44.30	16.38	4.73	14.15	8.82	5.29	49.37
Fast	225	300	38.00	17.73	6.24	12.67	11.36	3.36	51.36
Brush 2nd coat									
Slow	225	400	50.60	11.42	2.73	12.65	5.09	5.10	36.99
Medium	250	375	44.30	13.10	3.78	11.81	7.18	4.31	40.18
Fast	275	350	38.00	14.51	5.14	10.86	9.45	2.80	42.76
Brush 3rd or additional coats									
Slow	250	425	50.60	10.28	2.47	11.91	4.69	4.70	34.05
Medium	275	400	44.30	11.91	3.45	11.08	6.61	3.96	37.01
Fast	300	375	38.00	13.30	4.68	10.13	8.72	2.58	39.41
Sealer (drywall), water base (material #1)									
Brush prime coat									
Slow	150	325	54.70	17.13	4.13	16.83	7.23	7.25	52.57
Medium	188	313	47.80	17.42	5.04	15.27	9.43	5.66	52.82
Fast	225	300	41.00	17.73	6.24	13.67	11.67	3.45	52.76
Sealer (drywall), oil base (material #2)									
Brush prime coat									
Slow	150	350	73.30	17.13	4.13	20.94	8.01	8.03	58.24
Medium	188	338	64.10	17.42	5.04	18.96	10.35	6.21	57.98
Fast	225	325	55.00	17.73	6.24	16.92	12.68	3.75	57.32
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	140	350	67.00	18.36	4.40	19.14	7.96	7.98	57.84
Medium	185	325	58.60	17.70	5.14	18.03	10.21	6.13	57.21
Fast	235	300	50.20	16.98	6.02	16.73	12.31	3.64	55.68
Brush 2nd or additional finish coats									
Slow	150	350	67.00	17.13	4.13	19.14	7.67	7.69	55.76
Medium	200	333	58.60	16.38	4.73	17.60	9.68	5.81	54.20
Fast	250	315	50.20	15.96	5.63	15.94	11.63	3.44	52.60
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	140	350	159.80	18.36	4.40	45.66	13.00	13.03	94.45
Medium	185	338	139.80	17.70	5.14	41.36	16.05	9.63	89.88
Fast	235	325	119.80	16.98	6.02	36.86	18.55	5.49	83.90



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 2nd or additional finish coats									
Slow	150	360	159.80	17.13	4.13	44.39	12.47	12.50	90.62
Medium	200	348	139.80	16.38	4.73	40.17	15.32	9.19	85.79
Fast	250	335	119.80	15.96	5.63	35.76	17.78	5.26	80.39
Stipple finish									
Slow	225	--	--	11.42	2.73	--	2.69	2.70	19.54
Medium	250	--	--	13.10	3.78	--	4.22	2.53	23.63
Fast	275	--	--	14.51	5.14	--	6.09	1.80	27.54
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	225	425	255.10	11.42	2.73	60.02	14.09	14.12	102.38
Medium	250	400	223.20	13.10	3.78	55.80	18.17	10.90	101.75
Fast	275	375	191.30	14.51	5.14	51.01	21.90	6.48	99.04
Brush 2nd or additional coats									
Slow	250	450	255.10	10.28	2.47	56.69	13.19	13.22	95.85
Medium	275	425	223.20	11.91	3.45	52.52	16.97	10.18	95.03
Fast	300	400	191.30	13.30	4.68	47.83	20.40	6.04	92.25

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, smooth-wall finish, roll, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	300	325	50.60	8.57	2.04	15.57	4.98	4.99	36.15
Medium	513	313	44.30	6.38	1.85	14.15	5.59	3.36	31.33
Fast	725	300	38.00	5.50	1.95	12.67	6.23	1.84	28.19
Roll 2nd coat									
Slow	375	375	50.60	6.85	1.66	13.49	4.18	4.19	30.37
Medium	563	363	44.30	5.82	1.69	12.20	4.93	2.96	27.60
Fast	750	350	38.00	5.32	1.86	10.86	5.60	1.66	25.30
Roll 3rd or additional coats									
Slow	450	400	50.60	5.71	1.37	12.65	3.75	3.76	27.24
Medium	625	388	44.30	5.24	1.51	11.42	4.54	2.73	25.44
Fast	800	375	38.00	4.99	1.76	10.13	5.23	1.55	23.66
Sealer (drywall), water base (material #1)									
Roll prime coat									
Slow	245	350	54.70	10.49	2.51	15.63	5.44	5.45	39.52
Medium	485	325	47.80	6.75	1.95	14.71	5.85	3.51	32.77
Fast	725	300	41.00	5.50	1.95	13.67	6.54	1.94	29.60
Sealer (drywall), oil base (material #2)									
Roll prime coat									
Slow	245	325	73.30	10.49	2.51	22.55	6.76	6.77	49.08
Medium	485	300	64.10	6.75	1.95	21.37	7.52	4.51	42.10
Fast	725	275	55.00	5.50	1.95	20.00	8.51	2.52	38.48
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	235	325	67.00	10.94	2.64	20.62	6.50	6.51	47.21
Medium	438	313	58.60	7.48	2.14	18.72	7.09	4.25	39.68
Fast	640	300	50.20	6.23	2.19	16.73	7.80	2.31	35.26
Roll 2nd or additional finish coats									
Slow	280	350	67.00	9.18	2.20	19.14	5.80	5.81	42.13
Medium	465	338	58.60	7.04	2.04	17.34	6.60	3.96	36.98
Fast	680	325	50.20	5.87	2.07	15.45	7.25	2.14	32.78
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	235	300	159.80	10.94	2.64	53.27	12.70	12.73	92.28
Medium	438	288	139.80	7.48	2.14	48.54	14.55	8.73	81.44
Fast	640	275	119.80	6.23	2.19	43.56	16.12	4.77	72.87

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 2nd or additional finish coats									
Slow	280	325	159.80	9.18	2.20	49.17	11.50	11.53	83.58
Medium	465	313	139.80	7.04	2.04	44.66	13.43	8.06	75.23
Fast	680	300	119.80	5.87	2.07	39.93	14.84	4.39	67.10
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	375	400	255.10	6.85	1.66	63.78	13.73	13.76	99.78
Medium	550	375	223.20	5.95	1.73	59.52	16.80	10.08	94.08
Fast	750	350	191.30	5.32	1.86	54.66	19.18	5.67	86.69
Roll 2nd or additional coats									
Slow	450	425	255.10	5.71	1.37	60.02	12.75	12.78	92.63
Medium	625	400	223.20	5.24	1.51	55.80	15.64	9.38	87.57
Fast	800	375	191.30	4.99	1.76	51.01	17.91	5.30	80.97

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, gypsum drywall, smooth-wall finish, spray, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	750	300	50.60	3.43	.81	16.87	4.01	4.02	29.14
Medium	850	275	44.30	3.85	1.13	16.11	5.27	3.16	29.52
Fast	950	250	38.00	4.20	1.47	15.20	6.47	1.91	29.25
Spray 2nd coat									
Slow	850	350	50.60	3.02	.74	14.46	3.46	3.47	25.15
Medium	950	325	44.30	3.45	.98	13.63	4.52	2.71	25.29
Fast	1050	300	38.00	3.80	1.33	12.67	5.52	1.63	24.95
Spray 3rd or additional coats									
Slow	950	375	50.60	2.71	.64	13.49	3.20	3.21	23.25
Medium	1050	350	44.30	3.12	.89	12.66	4.17	2.50	23.34
Fast	1150	325	38.00	3.47	1.23	11.69	5.08	1.50	22.97
Sealer (drywall), water base (material #1)									
Spray prime coat									
Slow	600	300	54.70	4.28	1.04	18.23	4.47	4.48	32.50
Medium	775	275	47.80	4.23	1.22	17.38	5.71	3.42	31.96
Fast	950	250	41.00	4.20	1.47	16.40	6.84	2.02	30.93
Sealer (drywall), oil base (material #2)									
Spray prime coat									
Slow	600	275	73.30	4.28	1.04	26.65	6.07	6.08	44.12
Medium	775	250	64.10	4.23	1.22	25.64	7.77	4.66	43.52
Fast	950	225	55.00	4.20	1.47	24.44	9.34	2.76	42.21
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	525	300	67.00	4.90	1.16	22.33	5.40	5.41	39.20
Medium	713	275	58.60	4.59	1.32	21.31	6.81	4.08	38.11
Fast	900	250	50.20	4.43	1.56	20.08	8.08	2.39	36.54
Spray 2nd or additional finish coats									
Slow	600	300	67.00	4.28	1.04	22.33	5.25	5.26	38.16
Medium	788	288	58.60	4.16	1.20	20.35	6.43	3.86	36.00
Fast	975	275	50.20	4.09	1.47	18.25	7.37	2.18	33.36

## General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	525	275	159.80	4.90	1.16	58.11	12.20	12.22	88.59
Medium	713	263	139.80	4.59	1.32	53.16	14.77	8.86	82.70
Fast	900	250	119.80	4.43	1.56	47.92	16.71	4.94	75.56
Spray 2nd or additional finish coats									
Slow	600	300	159.80	4.28	1.04	53.27	11.13	11.15	80.87
Medium	788	288	139.80	4.16	1.20	48.54	13.48	8.09	75.47
Fast	975	275	119.80	4.09	1.47	43.56	15.22	4.50	68.84

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include spraying at corners when all walls are the same color, and at ceiling-to-wall intersection when ceilings are the same color. ADD for cutting-in at ceilings and protecting adjacent surfaces from overspray if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

**Walls, plaster, exterior: see Plaster and stucco**

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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**Walls, plaster, interior, medium texture, per 100 SF of wall area**

Anti-graffiti stain eliminator

Water base primer and sealer (material #39)

Roll &amp; brush each coat

Slow	375	425	75.60	6.85	1.66	17.79	4.99	5.00	36.29
Medium	400	400	66.20	8.19	2.36	16.55	6.78	4.07	37.95
Fast	425	375	56.70	9.39	3.30	15.12	8.62	2.55	38.98

Oil base primer and sealer (material #40)

Roll &amp; brush each coat

Slow	375	400	81.90	6.85	1.66	20.48	5.50	5.52	40.01
Medium	400	375	71.60	8.19	2.36	19.09	7.41	4.45	41.50
Fast	425	350	61.40	9.39	3.30	17.54	9.37	2.77	42.37

Polyurethane 2 part system (material #41)

Roll &amp; brush each coat

Slow	325	375	251.60	7.91	1.91	67.09	14.61	14.64	106.16
Medium	350	350	220.20	9.36	2.71	62.91	18.75	11.25	104.98
Fast	375	325	188.70	10.64	3.77	58.06	22.46	6.64	101.57

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth or medium texture finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, medium texture, brush, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	125	300	50.60	20.56	4.94	16.87	8.05	8.07	58.49
Medium	150	288	44.30	21.83	6.32	15.38	10.88	6.53	60.94
Fast	175	275	38.00	22.80	8.02	13.82	13.85	4.10	62.59
Brush 2nd coat									
Slow	150	325	50.60	17.13	4.13	15.57	6.99	7.01	50.83
Medium	168	313	44.30	19.49	5.62	14.15	9.82	5.89	54.97
Fast	185	300	38.00	21.57	7.63	12.67	12.97	3.84	58.68
Brush 3rd or additional coats									
Slow	160	350	50.60	16.06	3.86	14.46	6.53	6.54	47.45
Medium	185	338	44.30	17.70	5.14	13.11	8.98	5.39	50.32
Fast	210	325	38.00	19.00	6.69	11.69	11.59	3.43	52.40
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	100	300	67.00	25.70	6.17	22.33	10.30	10.32	74.82
Medium	125	288	58.60	26.20	7.57	20.35	13.53	8.12	75.77
Fast	150	275	50.20	26.60	9.40	18.25	16.81	4.97	76.03
Brush 2nd finish coat									
Slow	125	325	67.00	20.56	4.94	20.62	8.76	8.78	63.66
Medium	143	313	58.60	22.90	6.60	18.72	12.06	7.24	67.52
Fast	160	300	50.20	24.94	8.80	16.73	15.65	4.63	70.75
Brush 3rd or additional finish coats									
Slow	135	350	67.00	19.04	4.58	19.14	8.12	8.14	59.02
Medium	160	338	58.60	20.47	5.91	17.34	10.93	6.56	61.21
Fast	185	325	50.20	21.57	7.63	15.45	13.84	4.09	62.58
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	100	325	159.80	25.70	6.17	49.17	15.40	15.43	111.87
Medium	125	313	139.80	26.20	7.57	44.66	19.61	11.76	109.80
Fast	150	300	119.80	26.60	9.40	39.93	23.54	6.96	106.43
Brush 2nd finish coat									
Slow	125	400	159.80	20.56	4.94	39.95	12.43	12.46	90.34
Medium	143	375	139.80	22.90	6.60	37.28	16.70	10.02	93.50
Fast	160	350	119.80	24.94	8.80	34.23	21.07	6.23	95.27

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 3rd or additional finish coats									
Slow	135	425	159.80	19.04	4.58	37.60	11.63	11.65	84.50
Medium	160	400	139.80	20.47	5.91	34.95	15.34	9.20	85.87
Fast	185	375	119.80	21.57	7.63	31.95	18.95	5.61	85.71
Stipple finish									
Slow	125	--	--	20.56	4.94	--	4.84	4.85	35.19
Medium	143	--	--	22.90	6.60	--	7.38	4.43	41.31
Fast	160	--	--	24.94	8.80	--	10.46	3.09	47.29
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	150	400	255.10	17.13	4.13	63.78	16.15	16.19	117.38
Medium	165	388	223.20	19.85	5.73	57.53	20.78	12.47	116.36
Fast	185	375	191.30	21.57	7.63	51.01	24.86	7.35	112.42
Brush 2nd or additional coats									
Slow	160	425	255.10	16.06	3.86	60.02	15.19	15.22	110.35
Medium	185	413	223.20	17.70	5.14	54.04	19.22	11.53	107.63
Fast	210	400	191.30	19.00	6.69	47.83	22.80	6.74	103.06
Glazing & mottling over enamel (material #16)									
Brush each coat									
Slow	50	900	89.50	51.40	12.34	9.94	14.00	14.03	101.71
Medium	65	800	78.30	50.38	14.54	9.79	18.68	11.21	104.60
Fast	80	700	67.10	49.88	17.60	9.59	23.89	7.07	108.03
Stipple									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	113	--	--	28.98	8.38	--	9.34	5.60	52.30
Fast	125	--	--	31.92	11.26	--	13.39	3.96	60.53

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth or medium texture finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, medium texture, roll, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	225	250	50.60	11.42	2.73	20.24	6.54	6.55	47.48
Medium	438	238	44.30	7.48	2.14	18.61	7.06	4.24	39.53
Fast	650	225	38.00	6.14	2.17	16.89	7.81	2.31	35.32
Roll 2nd coat									
Slow	250	300	50.60	10.28	2.47	16.87	5.63	5.64	40.89
Medium	463	288	44.30	7.07	2.05	15.38	6.12	3.67	34.29
Fast	675	275	38.00	5.91	2.08	13.82	6.76	2.00	30.57
Roll 3rd or additional coats									
Slow	275	325	50.60	9.35	2.25	15.57	5.16	5.17	37.50
Medium	500	313	44.30	6.55	1.89	14.15	5.65	3.39	31.63
Fast	725	300	38.00	5.50	1.95	12.67	6.23	1.84	28.19
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	200	250	67.00	12.85	3.09	26.80	8.12	8.14	59.00
Medium	413	238	58.60	7.93	2.28	24.62	8.71	5.23	48.77
Fast	625	225	50.20	6.38	2.26	22.31	9.59	2.84	43.38
Roll 2nd finish coat									
Slow	225	300	67.00	11.42	2.73	22.33	6.93	6.95	50.36
Medium	438	288	58.60	7.48	2.14	20.35	7.50	4.50	41.97
Fast	650	275	50.20	6.14	2.17	18.25	8.23	2.44	37.23
Roll 3rd or additional finish coats									
Slow	250	325	67.00	10.28	2.47	20.62	6.34	6.35	46.06
Medium	475	313	58.60	6.89	2.02	18.72	6.90	4.14	38.67
Fast	700	300	50.20	5.70	2.02	16.73	7.58	2.24	34.27
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	200	275	159.80	12.85	3.09	58.11	14.07	14.10	102.22
Medium	413	263	139.80	7.93	2.28	53.16	15.85	9.51	88.73
Fast	625	250	119.80	6.38	2.26	47.92	17.53	5.19	79.28
Roll 2nd finish coat									
Slow	225	350	159.80	11.42	2.73	45.66	11.37	11.39	82.57
Medium	438	325	139.80	7.48	2.14	43.02	13.17	7.90	73.71
Fast	650	300	119.80	6.14	2.17	39.93	14.95	4.42	67.61

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 3rd or additional finish coats									
Slow	250	375	159.80	10.28	2.47	42.61	10.52	10.54	76.42
Medium	475	350	139.80	6.89	2.02	39.94	12.21	7.32	68.38
Fast	700	325	119.80	5.70	2.02	36.86	13.82	4.09	62.49
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	250	350	255.10	10.28	2.47	72.89	16.27	16.31	118.22
Medium	463	335	223.20	7.07	2.05	66.63	18.94	11.36	106.05
Fast	675	320	191.30	5.91	2.08	59.78	21.01	6.22	95.00
Roll 2nd or additional coats									
Slow	275	400	255.10	9.35	2.25	63.78	14.32	14.35	104.05
Medium	500	375	223.20	6.55	1.89	59.52	16.99	10.19	95.14
Fast	725	350	191.30	5.50	1.95	54.66	19.25	5.69	87.05

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth or medium texture finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, medium texture, spray, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	475	350	50.60	5.41	1.31	14.46	4.02	4.03	29.23
Medium	600	313	44.30	5.46	1.59	14.15	5.30	3.18	29.68
Fast	725	275	38.00	5.50	1.95	13.82	6.59	1.95	29.81
Spray 2nd coat									
Slow	525	400	50.60	4.90	1.16	12.65	3.56	3.57	25.84
Medium	675	350	44.30	4.85	1.40	12.66	4.73	2.84	26.48
Fast	825	300	38.00	4.84	1.69	12.67	5.96	1.76	26.92
Spray 3rd or additional coats									
Slow	575	450	50.60	4.47	1.08	11.24	3.19	3.20	23.18
Medium	750	388	44.30	4.37	1.24	11.42	4.26	2.56	23.85
Fast	925	325	38.00	4.31	1.52	11.69	5.43	1.61	24.56
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	450	350	67.00	5.71	1.37	19.14	4.98	4.99	36.19
Medium	575	313	58.60	5.70	1.64	18.72	6.52	3.91	36.49
Fast	700	275	50.20	5.70	2.02	18.25	8.05	2.38	36.40
Spray 2nd finish coat									
Slow	500	400	67.00	5.14	1.23	16.75	4.39	4.40	31.91
Medium	650	350	58.60	5.04	1.46	16.74	5.81	3.49	32.54
Fast	800	300	50.20	4.99	1.76	16.73	7.28	2.15	32.91
Spray 3rd or additional finish coats									
Slow	550	450	67.00	4.67	1.13	14.89	3.93	3.94	28.56
Medium	750	388	58.60	4.37	1.24	15.10	5.18	3.11	29.00
Fast	900	325	50.20	4.43	1.56	15.45	6.65	1.97	30.06
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	450	400	159.80	5.71	1.37	39.95	8.94	8.96	64.93
Medium	575	363	139.80	5.70	1.64	38.51	11.47	6.88	64.20
Fast	700	325	119.80	5.70	2.02	36.86	13.82	4.09	62.49
Spray 2nd finish coat									
Slow	500	425	159.80	5.14	1.23	37.60	8.35	8.37	60.69
Medium	650	388	139.80	5.04	1.46	36.03	10.63	6.38	59.54
Fast	800	350	119.80	4.99	1.76	34.23	12.70	3.76	57.44

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Spray 3rd or additional finish coats									
Slow	550	450	159.80	4.67	1.13	35.51	7.85	7.86	57.02
Medium	725	400	139.80	4.52	1.30	34.95	10.20	6.12	57.09
Fast	900	375	119.80	4.43	1.56	31.95	11.76	3.48	53.18
Epoxy coating, 2 part system - white (material #52)									
Spray 1st coat									
Slow	525	325	255.10	4.90	1.16	78.49	16.07	16.10	116.72
Medium	675	300	223.20	4.85	1.40	74.40	20.16	12.10	112.91
Fast	825	275	191.30	4.84	1.69	69.56	23.59	6.98	106.66
Spray 2nd or additional coats									
Slow	575	350	255.10	4.47	1.08	72.89	14.90	14.93	108.27
Medium	725	325	223.20	4.52	1.30	68.68	18.63	11.18	104.31
Fast	875	300	191.30	4.56	1.59	63.77	21.68	6.41	98.01

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth or medium texture finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include spraying at corners when all walls are the same color, and at ceiling-to-wall intersection when ceilings are the same color. ADD for cutting-in at ceilings and protecting adjacent surfaces from overspray if they're a different color than the walls, or at corners where walls in the same room are painted different colors. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, rough texture, per 100 SF of wall area</b>									
Anti-graffiti stain eliminator									
Water base primer and sealer (material #39)									
Roll & brush each coat									
Slow	350	400	75.60	7.34	1.77	18.90	5.32	5.33	38.66
Medium	375	375	66.20	8.73	2.54	17.65	7.23	4.34	40.49
Fast	400	350	56.70	9.98	3.52	16.20	9.21	2.72	41.63
Oil base primer and sealer (material #40)									
Roll & brush each coat									
Slow	350	375	81.90	7.34	1.77	21.84	5.88	5.89	42.72
Medium	375	350	71.60	8.73	2.54	20.46	7.93	4.76	44.42
Fast	400	325	61.40	9.98	3.52	18.89	10.04	2.97	45.40
Polyurethane 2 part system (material #41)									
Roll & brush each coat									
Slow	300	350	251.60	8.57	2.04	71.89	15.68	15.71	113.89
Medium	325	325	220.20	10.08	2.92	67.75	20.19	12.11	113.05
Fast	350	300	188.70	11.40	4.04	62.90	24.28	7.18	109.80

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a rough finish, sand finish, or orange peel texture finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, rough texture, brush, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	115	300	50.60	22.35	5.38	16.87	8.47	8.49	61.56
Medium	140	275	44.30	23.39	6.75	16.11	11.57	6.94	64.76
Fast	165	250	38.00	24.18	8.53	15.20	14.86	4.39	67.16
Brush 2nd coat									
Slow	125	325	50.60	20.56	4.94	15.57	7.80	7.82	56.69
Medium	153	300	44.30	21.41	6.20	14.77	10.59	6.36	59.33
Fast	180	275	38.00	22.17	7.84	13.82	13.58	4.02	61.43
Brush 3rd or additional coats									
Slow	135	350	50.60	19.04	4.58	14.46	7.23	7.25	52.56
Medium	168	325	44.30	19.49	5.62	13.63	9.69	5.81	54.24
Fast	200	300	38.00	19.95	7.04	12.67	12.29	3.64	55.59
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	100	300	67.00	25.70	6.17	22.33	10.30	10.32	74.82
Medium	125	275	58.60	26.20	7.57	21.31	13.77	8.26	77.11
Fast	150	250	50.20	26.60	9.40	20.08	17.38	5.14	78.60
Brush 2nd finish coat									
Slow	115	325	67.00	22.35	5.38	20.62	9.18	9.20	66.73
Medium	140	300	58.60	23.39	6.75	19.53	12.42	7.45	69.54
Fast	165	275	50.20	24.18	8.53	18.25	15.80	4.67	71.43
Brush 3rd or additional finish coats									
Slow	125	350	67.00	20.56	4.94	19.14	8.48	8.50	61.62
Medium	160	325	58.60	20.47	5.91	18.03	11.11	6.66	62.18
Fast	185	300	50.20	21.57	7.63	16.73	14.23	4.21	64.37
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	100	300	159.80	25.70	6.17	53.27	16.18	16.21	117.53
Medium	125	288	139.80	26.20	7.57	48.54	20.58	12.35	115.24
Fast	150	275	119.80	26.60	9.40	43.56	24.66	7.29	111.51
Brush 2nd finish coat									
Slow	115	375	159.80	22.35	5.38	42.61	13.36	13.39	97.09
Medium	140	350	139.80	23.39	6.75	39.94	17.52	10.51	98.11
Fast	165	325	119.80	24.18	8.53	36.86	21.57	6.38	97.52

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 3rd or additional finish coats									
Slow	125	400	159.80	20.56	4.94	39.95	12.43	12.46	90.34
Medium	160	375	139.80	20.47	5.91	37.28	15.92	9.55	89.13
Fast	185	350	119.80	21.57	7.63	34.23	19.66	5.81	88.90
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	125	375	255.10	20.56	4.94	68.03	17.77	17.81	129.11
Medium	160	363	223.20	20.47	5.91	61.49	21.97	13.18	123.02
Fast	180	350	191.30	22.17	7.84	54.66	26.24	7.76	118.67
Brush 2nd or additional coats									
Slow	135	400	255.10	19.04	4.58	63.78	16.60	16.64	120.64
Medium	175	388	223.20	18.71	5.39	57.53	20.41	12.25	114.29
Fast	200	375	191.30	19.95	7.04	51.01	24.18	7.15	109.33
Glazing & mottling over enamel (material #16)									
Brush each coat									
Slow	40	875	89.50	64.25	15.43	10.23	17.08	17.12	124.11
Medium	50	838	78.30	65.50	18.92	9.34	23.44	14.07	131.27
Fast	60	800	67.10	66.50	23.48	8.39	30.49	9.02	137.88
Stipple									
Slow	90	--	--	28.56	6.85	--	6.73	6.74	48.88
Medium	103	--	--	31.80	9.19	--	10.25	6.15	57.39
Fast	115	--	--	34.70	12.26	--	14.55	4.31	65.82

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a rough finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, rough texture, roll, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	200	250	50.60	12.85	3.09	20.24	6.87	6.89	49.94
Medium	413	238	44.30	7.93	2.28	18.61	7.21	4.32	40.35
Fast	625	225	38.00	6.38	2.26	16.89	7.91	2.34	35.78
Roll 2nd coat									
Slow	225	300	50.60	11.42	2.73	16.87	5.90	5.91	42.83
Medium	438	288	44.30	7.48	2.14	15.38	4.75	4.76	34.51
Fast	650	275	38.00	6.14	2.17	13.82	6.86	2.03	31.02
Roll 3rd or additional coats									
Slow	250	325	50.60	10.28	2.47	15.57	5.38	5.39	39.09
Medium	463	313	44.30	7.07	2.05	14.15	5.82	3.49	32.58
Fast	675	300	38.00	5.91	2.08	12.67	6.41	1.90	28.97
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	175	250	67.00	14.69	3.51	26.80	8.55	8.57	62.12
Medium	388	238	58.60	8.44	2.45	24.62	8.88	5.33	49.72
Fast	600	225	50.20	6.65	2.36	22.31	9.71	2.87	43.90
Roll 2nd finish coat									
Slow	200	325	67.00	12.85	3.09	20.62	6.94	6.96	50.46
Medium	413	313	58.60	7.93	2.28	18.72	7.24	4.34	40.51
Fast	625	300	50.20	6.38	2.26	16.73	7.86	2.33	35.56
Roll 3rd or additional finish coats									
Slow	225	325	67.00	11.42	2.73	20.62	6.61	6.62	48.00
Medium	438	313	58.60	7.48	2.14	18.72	7.09	4.25	39.68
Fast	650	300	50.20	6.14	2.17	16.73	7.76	2.30	35.10
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	175	300	159.80	14.69	3.51	53.27	13.58	13.61	98.66
Medium	388	288	139.80	8.44	2.45	48.54	14.86	8.91	83.20
Fast	600	275	119.80	6.65	2.36	43.56	16.29	4.82	73.68
Roll 2nd finish coat									
Slow	200	350	159.80	12.85	3.09	45.66	11.70	11.73	85.03
Medium	413	325	139.80	7.93	2.28	43.02	13.31	7.99	74.53
Fast	625	300	119.80	6.38	2.26	39.93	15.05	4.45	68.07



*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 3rd or additional finish coats									
Slow	225	375	159.80	11.42	2.73	42.61	10.79	10.81	78.36
Medium	438	350	139.80	7.48	2.14	39.94	12.40	7.44	69.40
Fast	650	325	119.80	6.14	2.17	36.86	14.00	4.14	63.31
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	225	350	255.10	11.42	2.73	72.89	16.54	16.57	120.15
Medium	438	325	223.20	7.48	2.14	68.68	19.58	11.75	109.63
Fast	650	300	191.30	6.14	2.17	63.77	22.34	6.61	101.03
Roll 2nd or additional coats									
Slow	250	400	255.10	10.28	2.47	63.78	14.54	14.57	105.64
Medium	463	375	223.20	7.07	2.05	59.52	17.16	10.29	96.09
Fast	675	350	191.30	5.91	2.08	54.66	19.42	5.75	87.82

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a rough finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, rough texture, spray, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	500	325	50.60	5.14	1.23	15.57	4.17	4.18	30.29
Medium	600	288	44.30	5.46	1.59	15.38	5.61	3.36	31.40
Fast	700	250	38.00	5.70	2.02	15.20	7.10	2.10	32.12
Spray 2nd coat									
Slow	600	400	50.60	4.28	1.04	12.65	3.41	3.42	24.80
Medium	700	350	44.30	4.68	1.36	12.66	4.67	2.80	26.17
Fast	800	300	38.00	4.99	1.76	12.67	6.02	1.78	27.22
Spray 3rd or additional coats									
Slow	700	425	50.60	3.67	.89	11.91	3.13	3.13	22.73
Medium	800	375	44.30	4.09	1.19	11.81	4.27	2.56	23.92
Fast	900	325	38.00	4.43	1.56	11.69	5.48	1.62	24.78
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	450	325	67.00	5.71	1.37	20.62	5.26	5.27	38.23
Medium	550	288	58.60	5.95	1.73	20.35	7.01	4.20	39.24
Fast	650	250	50.20	6.14	2.17	20.08	8.80	2.60	39.79
Spray 2nd finish coat									
Slow	550	400	67.00	4.67	1.13	16.75	4.28	4.29	31.12
Medium	650	350	58.60	5.04	1.46	16.74	5.81	3.49	32.54
Fast	750	300	50.20	5.32	1.86	16.73	7.42	2.19	33.52
Spray 3rd or additional finish coats									
Slow	650	425	67.00	3.95	.96	15.76	3.93	3.93	28.53
Medium	750	375	58.60	4.37	1.24	15.63	5.32	3.19	29.75
Fast	850	325	50.20	4.69	1.68	15.45	6.76	2.00	30.58
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	450	325	159.80	5.71	1.37	49.17	10.69	10.71	77.65
Medium	550	300	139.80	5.95	1.73	46.60	13.57	8.14	75.99
Fast	650	275	119.80	6.14	2.17	43.56	16.08	4.76	72.71
Spray 2nd finish coat									
Slow	550	400	159.80	4.67	1.13	39.95	8.69	8.71	63.15
Medium	650	362	139.80	5.04	1.46	38.62	11.28	6.77	63.17
Fast	750	325	119.80	5.32	1.86	36.86	13.66	4.04	61.74

## General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Spray 3rd or additional finish coats									
Slow	650	425	159.80	3.95	.96	37.60	8.08	8.09	58.68
Medium	750	388	139.80	4.37	1.24	36.03	10.42	6.25	58.31
Fast	850	350	119.80	4.69	1.68	34.23	12.58	3.72	56.90
Epoxy coating, 2 part system - white (material #52)									
Spray 1st coat									
Slow	525	325	255.10	4.90	1.16	78.49	16.07	16.10	116.72
Medium	663	313	223.20	4.94	1.43	71.31	19.42	11.65	108.75
Fast	800	300	191.30	4.99	1.76	63.77	21.86	6.47	98.85
Spray 2nd or additional coats									
Slow	575	375	255.10	4.47	1.08	68.03	13.98	14.01	101.57
Medium	713	363	223.20	4.59	1.32	61.49	16.85	10.11	94.36
Fast	850	350	191.30	4.69	1.68	54.66	18.91	5.59	85.53

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a rough finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include spraying at corners when all walls are the same color, and at ceiling-to-wall intersection when ceilings are the same color. ADD for cutting-in at ceilings and protecting adjacent surfaces from overspray if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, smooth finish, per 100 SF of wall area</b>									
Anti-graffiti stain eliminator									
Water base primer and sealer (material #39)									
Roll & brush each coat									
Slow	375	425	75.60	6.85	1.66	17.79	4.99	5.00	36.29
Medium	400	400	66.20	8.19	2.36	16.55	6.78	4.07	37.95
Fast	425	375	56.70	9.39	3.30	15.12	8.62	2.55	38.98
Oil base primer and sealer (material #40)									
Roll & brush each coat									
Slow	375	400	81.90	6.85	1.66	20.48	5.50	5.52	40.01
Medium	400	375	71.60	8.19	2.36	19.09	7.41	4.45	41.50
Fast	425	350	61.40	9.39	3.30	17.54	9.37	2.77	42.37
Polyurethane 2 part system (material #41)									
Roll & brush each coat									
Slow	325	375	251.60	7.91	1.91	67.09	14.61	14.64	106.16
Medium	350	350	220.20	9.36	2.71	62.91	18.75	11.25	104.98
Fast	375	325	188.70	10.64	3.77	58.06	22.46	6.64	101.57

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, smooth finish, brush, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	150	350	50.60	17.13	4.13	14.46	6.78	6.80	49.30
Medium	175	325	44.30	18.71	5.39	13.63	9.44	5.66	52.83
Fast	200	300	38.00	19.95	7.04	12.67	12.29	3.64	55.59
Brush 2nd coat									
Slow	175	375	50.60	14.69	3.51	13.49	6.02	6.04	43.75
Medium	200	350	44.30	16.38	4.73	12.66	8.44	5.07	47.28
Fast	225	325	38.00	17.73	6.24	11.69	11.06	3.27	49.99
Brush 3rd or additional coats									
Slow	200	400	50.60	12.85	3.09	12.65	5.43	5.44	39.46
Medium	225	375	44.30	14.56	4.18	11.81	7.65	4.59	42.79
Fast	250	350	38.00	15.96	5.63	10.86	10.06	2.98	45.49
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	125	350	67.00	20.56	4.94	19.14	8.48	8.50	61.62
Medium	163	325	58.60	20.09	5.78	18.03	10.98	6.59	61.47
Fast	200	300	50.20	19.95	7.04	16.73	13.55	4.01	61.28
Brush 2nd finish coat									
Slow	150	375	67.00	17.13	4.13	17.87	7.43	7.45	54.01
Medium	175	350	58.60	18.71	5.39	16.74	10.22	6.13	57.19
Fast	200	325	50.20	19.95	7.04	15.45	13.16	3.89	59.49
Brush 3rd or additional finish coats									
Slow	175	400	67.00	14.69	3.51	16.75	6.64	6.66	48.25
Medium	200	375	58.60	16.38	4.73	15.63	9.19	5.51	51.44
Fast	225	350	50.20	17.73	6.24	14.34	11.88	3.51	53.70
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	125	400	159.80	20.56	4.94	39.95	12.43	12.46	90.34
Medium	163	375	139.80	20.09	5.78	37.28	15.80	9.48	88.43
Fast	200	350	119.80	19.95	7.04	34.23	18.98	5.61	85.81
Brush 2nd finish coat									
Slow	150	425	159.80	17.13	4.13	37.60	11.18	11.20	81.24
Medium	175	400	139.80	18.71	5.39	34.95	14.77	8.86	82.68
Fast	200	375	119.80	19.95	7.04	31.95	18.27	5.40	82.61

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 3rd or additional finish coats									
Slow	175	450	159.80	14.69	3.51	35.51	10.21	10.23	74.15
Medium	200	425	139.80	16.38	4.73	32.89	13.50	8.10	75.60
Fast	225	400	119.80	17.73	6.24	29.95	16.72	4.95	75.59
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	175	400	255.10	14.69	3.51	63.78	15.58	15.61	113.17
Medium	200	388	223.20	16.38	4.73	57.53	19.66	11.80	110.10
Fast	225	375	191.30	17.73	6.24	51.01	23.25	6.88	105.11
Brush 2nd or additional coats									
Slow	200	425	255.10	12.85	3.09	60.02	14.43	14.46	104.85
Medium	225	413	223.20	14.56	4.18	54.04	18.20	10.92	101.90
Fast	250	400	191.30	15.96	5.63	47.83	21.52	6.37	97.31
Glazing & mottling over enamel (material #16)									
Brush each coat									
Slow	75	900	89.50	34.27	8.21	9.94	9.96	9.98	72.36
Medium	98	850	78.30	33.42	9.63	9.21	13.07	7.84	73.17
Fast	120	800	67.10	33.25	11.72	8.39	16.55	4.90	74.81
Stipple finish									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	123	--	--	26.63	7.69	--	8.58	5.15	48.05
Fast	135	--	--	29.56	10.44	--	12.40	3.67	56.07

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, smooth finish, roll, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	260	350	50.60	9.88	2.39	14.46	5.07	5.08	36.88
Medium	430	325	44.30	7.62	2.21	13.63	5.86	3.52	32.84
Fast	640	300	38.00	6.23	2.19	12.67	6.54	1.93	29.56
Roll 2nd coat									
Slow	300	375	50.60	8.57	2.04	13.49	4.58	4.59	33.27
Medium	488	350	44.30	6.71	1.94	12.66	5.33	3.20	29.84
Fast	675	325	38.00	5.91	2.08	11.69	6.10	1.81	27.59
Roll 3rd or additional coats									
Slow	325	400	50.60	7.91	1.91	12.65	4.27	4.28	31.02
Medium	513	375	44.30	6.38	1.85	11.81	5.01	3.00	28.05
Fast	700	350	38.00	5.70	2.02	10.86	5.76	1.70	26.04
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	235	350	67.00	10.94	2.64	19.14	6.21	6.23	45.16
Medium	423	325	58.60	7.74	2.22	18.03	7.00	4.20	39.19
Fast	615	300	50.20	6.49	2.31	16.73	7.91	2.34	35.78
Roll 2nd finish coat									
Slow	275	375	67.00	9.35	2.25	17.87	5.60	5.61	40.68
Medium	453	350	58.60	7.23	2.10	16.74	6.52	3.91	36.50
Fast	630	325	50.20	6.33	2.25	15.45	7.44	2.20	33.67
Roll 3rd or additional finish coats									
Slow	300	400	67.00	8.57	2.04	16.75	5.20	5.21	37.77
Medium	475	375	58.60	6.89	2.02	15.63	6.13	3.68	34.35
Fast	650	350	50.20	6.14	2.17	14.34	7.02	2.08	31.75
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	235	375	159.80	10.94	2.64	42.61	10.67	10.70	77.56
Medium	423	350	139.80	7.74	2.22	39.94	12.48	7.49	69.87
Fast	615	325	119.80	6.49	2.31	36.86	14.15	4.19	64.00
Roll 2nd finish coat									
Slow	275	400	159.80	9.35	2.25	39.95	9.79	9.81	71.15
Medium	453	375	139.80	7.23	2.10	37.28	11.65	6.99	65.25
Fast	630	350	119.80	6.33	2.25	34.23	13.26	3.92	59.99
Roll 3rd or additional finish coats									
Slow	300	425	159.80	8.57	2.04	37.60	9.16	9.18	66.55
Medium	475	400	139.80	6.89	2.02	34.95	10.96	6.57	61.39
Fast	650	375	119.80	6.14	2.17	31.95	12.48	3.69	56.43

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Stipple finish									
Slow	130	--	--	19.77	4.74	--	4.66	4.67	33.84
Medium	150	--	--	21.83	6.32	--	7.04	4.22	39.41
Fast	170	--	--	23.47	8.27	--	9.84	2.91	44.49
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	300	375	255.10	8.57	2.04	68.03	14.95	14.98	108.57
Medium	488	350	223.20	6.71	1.94	63.77	18.11	10.86	101.39
Fast	675	325	191.30	5.91	2.08	58.86	20.73	6.13	93.71
Roll 2nd or additional coats									
Slow	325	425	255.10	7.91	1.91	60.02	13.27	13.30	96.41
Medium	513	400	223.20	6.38	1.85	55.80	16.01	9.60	89.64
Fast	700	375	191.30	5.70	2.02	51.01	18.20	5.38	82.31

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include brushing-in at corners when all walls are the same color, and at ceilings that are the same color or finished with acoustic spray-on texture. ADD for cutting-in at ceilings if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, plaster, interior, smooth finish, spray, per 100 SF of wall area</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	500	375	50.60	5.14	1.23	13.49	3.77	3.78	27.41
Medium	625	338	44.30	5.24	1.51	13.11	4.97	2.98	27.81
Fast	750	300	38.00	5.32	1.86	12.67	6.16	1.82	27.83
Spray 2nd coat									
Slow	550	400	50.60	4.67	1.13	12.65	3.50	3.51	25.46
Medium	700	363	44.30	4.68	1.36	12.20	4.56	2.73	25.53
Fast	850	325	38.00	4.69	1.68	11.69	5.59	1.65	25.30
Spray 3rd or additional coats									
Slow	600	425	50.60	4.28	1.04	11.91	3.27	3.28	23.78
Medium	775	388	44.30	4.23	1.22	11.42	4.22	2.53	23.62
Fast	950	350	38.00	4.20	1.47	10.86	5.13	1.52	23.18
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	475	375	67.00	5.41	1.31	17.87	4.67	4.68	33.94
Medium	600	338	58.60	5.46	1.59	17.34	6.10	3.66	34.15
Fast	725	300	50.20	5.50	1.95	16.73	7.49	2.22	33.89
Spray 2nd finish coat									
Slow	525	400	67.00	4.90	1.16	16.75	4.34	4.35	31.50
Medium	675	388	58.60	4.85	1.40	15.10	5.34	3.20	29.89
Fast	825	325	50.20	4.84	1.69	15.45	6.82	2.02	30.82
Spray 3rd or additional finish coats									
Slow	575	425	67.00	4.47	1.08	15.76	4.05	4.06	29.42
Medium	775	388	58.60	4.23	1.22	15.10	5.14	3.08	28.77
Fast	925	350	50.20	4.31	1.52	14.34	6.25	1.85	28.27
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	475	425	159.80	5.41	1.31	37.60	8.42	8.44	61.18
Medium	575	388	139.80	5.70	1.64	36.03	10.85	6.51	60.73
Fast	725	350	119.80	5.50	1.95	34.23	12.92	3.82	58.42
Spray 2nd finish coat									
Slow	525	450	159.80	4.90	1.16	35.51	7.90	7.92	57.39
Medium	675	413	139.80	4.85	1.40	33.85	10.03	6.02	56.15
Fast	825	375	119.80	4.84	1.69	31.95	11.94	3.53	53.95

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Spray 3rd or additional finish coats									
Slow	575	475	159.80	4.47	1.08	33.64	7.44	7.46	54.09
Medium	750	438	139.80	4.37	1.24	31.92	9.39	5.63	52.55
Fast	925	400	119.80	4.31	1.52	29.95	11.09	3.28	50.15
Epoxy coating, 2 part system - white (material #52)									
Spray 1st coat									
Slow	550	325	255.10	4.67	1.13	78.49	16.01	16.05	116.35
Medium	700	300	223.20	4.68	1.36	74.40	20.11	12.06	112.61
Fast	850	275	191.30	4.69	1.68	69.56	23.53	6.96	106.42
Spray 2nd or additional coats									
Slow	600	375	255.10	4.28	1.04	68.03	13.93	13.96	101.24
Medium	750	350	223.20	4.37	1.24	63.77	17.35	10.41	97.14
Fast	900	325	191.30	4.43	1.56	58.86	20.10	5.95	90.90

Measurements are based on the square feet of wall coated. Do not deduct for openings less than 100 square feet. These figures assume paint products are being applied over a smooth finish. For heights above 8 feet, use the High Time Difficulty Factors on page 139. These figures include spraying at corners when all walls are the same color, and at ceiling-to-wall intersection when ceilings are the same color. ADD for cutting-in at ceilings and protecting adjacent surfaces from overspray if they're a different color than the walls, or at corners where walls in the same room are painted different colors. Do not include cutting-in time for ceilings unless you're only painting the ceilings, not the walls. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, wood paneled, interior, paint grade, brush, per 100 SF of wall area</b>									
Undercoat, water base (material #3)									
Brush, 1 coat									
Slow	65	300	55.90	39.54	9.48	18.63	12.86	12.88	93.39
Medium	75	288	49.00	43.67	12.60	17.01	18.33	11.00	102.61
Fast	85	275	42.00	46.94	16.54	15.27	24.42	7.22	110.39
Undercoat, oil base (material #4)									
Brush, 1 coat									
Slow	65	375	71.80	39.54	9.48	19.15	12.95	12.98	94.10
Medium	75	363	62.80	43.67	12.60	17.30	18.40	11.04	103.01
Fast	85	350	53.90	46.94	16.54	15.40	24.46	7.24	110.58
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 & #9)									
Brush, 1 coat									
Slow	55	300	61.45	46.73	11.21	20.48	14.90	14.93	108.25
Medium	65	288	53.80	50.38	14.54	18.68	20.91	12.54	117.05
Fast	75	275	46.10	53.20	18.76	16.76	27.51	8.14	124.37
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 & #10)									
Brush, 1 coat									
Slow	55	375	115.80	46.73	11.21	30.88	16.88	16.91	122.61
Medium	65	363	101.30	50.38	14.54	27.91	23.21	13.93	129.97
Fast	75	350	86.85	53.20	18.76	24.81	30.00	8.88	135.65
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	80	350	67.00	32.13	7.71	19.14	11.21	11.23	81.42
Medium	95	338	58.60	34.47	9.98	17.34	15.44	9.27	86.50
Fast	110	325	50.20	36.27	12.80	15.45	20.00	5.92	90.44
Brush 2nd or additional finish coats									
Slow	100	375	67.00	25.70	6.17	17.87	9.45	9.47	68.66
Medium	110	363	58.60	29.77	8.60	16.14	13.63	8.18	76.32
Fast	120	350	50.20	33.25	11.72	14.34	18.39	5.44	83.14

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Brush 1st finish coat									
Slow	80	400	159.80	32.13	7.71	39.95	15.16	15.19	110.14
Medium	95	388	139.80	34.47	9.98	36.03	20.12	12.07	112.67
Fast	110	375	119.80	36.27	12.80	31.95	25.12	7.43	113.57
Brush 2nd or additional finish coats									
Slow	100	425	159.80	25.70	6.17	37.60	13.20	13.23	95.90
Medium	110	413	139.80	29.77	8.60	33.85	18.06	10.83	101.11
Fast	120	400	119.80	33.25	11.72	29.95	23.23	6.87	105.02

These costs are based on painting interior tongue and groove, wood veneer or plain wainscot wood paneling. Do not deduct for openings less than 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for masking-off or cutting-in at wall-to-ceiling intersections and for protecting adjacent surfaces as necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, wood paneled, interior, paint grade, roll, per 100 SF of wall area</b>									
Undercoat, water base (material #3)									
Roll, 1 coat									
Slow	200	275	55.90	12.85	3.09	20.33	6.89	6.90	50.06
Medium	300	263	49.00	10.92	3.14	18.63	8.18	4.91	45.78
Fast	400	250	42.00	9.98	3.52	16.80	9.39	2.78	42.47
Undercoat, oil base (material #4)									
Roll, 1 coat									
Slow	200	350	71.80	12.85	3.09	20.51	6.92	6.94	50.31
Medium	300	325	62.80	10.92	3.14	19.32	8.35	5.01	46.74
Fast	400	300	53.90	9.98	3.52	17.97	9.76	2.89	44.12
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 & #9)									
Roll, 1 coat									
Slow	175	275	61.45	14.69	3.51	22.35	7.71	7.72	55.98
Medium	275	263	53.80	11.91	3.45	20.46	8.95	5.37	50.14
Fast	375	250	46.10	10.64	3.77	18.44	10.18	3.01	46.04
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 & #10)									
Roll, 1 coat									
Slow	175	350	115.80	14.69	3.51	33.09	9.75	9.77	70.81
Medium	275	325	101.30	11.91	3.45	31.17	11.63	6.98	65.14
Fast	375	300	86.85	10.64	3.77	28.95	13.44	3.98	60.78
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	250	325	67.00	10.28	2.47	20.62	6.34	6.35	46.06
Medium	375	313	58.60	8.73	2.54	18.72	7.49	4.50	41.98
Fast	500	300	50.20	7.98	2.82	16.73	8.53	2.52	38.58
Roll 2nd or additional finish coats									
Slow	300	350	67.00	8.57	2.04	19.14	5.66	5.67	41.08
Medium	425	338	58.60	7.71	2.21	17.34	6.82	4.09	38.17
Fast	550	325	50.20	7.25	2.57	15.45	7.83	2.32	35.42

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Roll 1st finish coat									
Slow	250	375	159.80	10.28	2.47	42.61	10.52	10.54	76.42
Medium	375	363	139.80	8.73	2.54	38.51	12.44	7.46	69.68
Fast	500	350	119.80	7.98	2.82	34.23	13.96	4.13	63.12
Roll 2nd or additional finish coats									
Slow	300	400	159.80	8.57	2.04	39.95	9.61	9.63	69.80
Medium	425	388	139.80	7.71	2.21	36.03	11.49	6.90	64.34
Fast	550	375	119.80	7.25	2.57	31.95	12.95	3.83	58.55

These costs are based on painting interior tongue and groove, wood veneer or plain wainscot wood paneling. Do not deduct for openings less than 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for masking-off or cutting-in at wall-to-ceiling intersections and for protecting adjacent surfaces as necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, wood paneled, interior, paint grade, spray, per 100 SF of wall area</b>									
Undercoat, water base (material #3)									
Spray, 1 coat									
Slow	350	175	55.90	7.34	1.77	31.94	7.80	7.81	56.66
Medium	425	150	49.00	7.71	2.21	32.67	10.65	6.39	59.63
Fast	500	125	42.00	7.98	2.82	33.60	13.76	4.07	62.23
Undercoat, oil base (material #4)									
Spray, 1 coat									
Slow	350	200	71.80	7.34	1.77	35.90	8.55	8.57	62.13
Medium	425	188	62.80	7.71	2.21	33.40	10.84	6.50	60.66
Fast	500	175	53.90	7.98	2.82	30.80	12.90	3.82	58.32
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 & #9)									
Spray, 1 coat									
Slow	325	175	61.45	7.91	1.91	35.11	8.53	8.55	62.01
Medium	400	150	53.80	8.19	2.36	35.87	11.61	6.96	64.99
Fast	475	125	46.10	8.40	2.99	36.88	14.96	4.42	67.65
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 & #10)									
Spray, 1 coat									
Slow	325	200	115.80	7.91	1.91	57.90	12.86	12.89	93.47
Medium	400	188	101.30	8.19	2.36	53.88	16.11	9.67	90.21
Fast	475	175	86.85	8.40	2.99	49.63	18.91	5.59	85.52
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	500	250	67.00	5.14	1.23	26.80	6.30	6.32	45.79
Medium	550	225	58.60	5.95	1.73	26.04	8.43	5.06	47.21
Fast	600	200	50.20	6.65	2.36	25.10	10.57	3.13	47.81
Spray 2nd or additional finish coats									
Slow	600	350	67.00	4.28	1.04	19.14	4.65	4.66	33.77
Medium	650	325	58.60	5.04	1.46	18.03	6.13	3.68	34.34
Fast	700	300	50.20	5.70	2.02	16.73	7.58	2.24	34.27

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	500	300	159.80	5.14	1.23	53.27	11.33	11.36	82.33
Medium	550	275	139.80	5.95	1.73	50.84	14.63	8.78	81.93
Fast	600	250	119.80	6.65	2.36	47.92	17.65	5.22	79.80
Spray 2nd or additional finish coats									
Slow	600	400	159.80	4.28	1.04	39.95	8.60	8.62	62.49
Medium	650	375	139.80	5.04	1.46	37.28	10.95	6.57	61.30
Fast	700	350	119.80	5.70	2.02	34.23	13.00	3.85	58.80

These costs are based on painting interior tongue and groove, wood veneer or plain wainscot wood paneling. Do not deduct for openings less than 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for masking-off or cutting-in at wall-to-ceiling intersections and for protecting adjacent surfaces as necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, wood paneled, interior, stain grade, per 100 SF of wall area</b>									
Solid body or semi-transparent stain, water or oil base (material #18 or #19 or #20 or #21)									
Roll & brush each coat									
Slow	225	500	70.60	11.42	2.73	14.12	5.37	5.38	39.02
Medium	263	450	61.78	12.45	3.59	13.73	7.45	4.47	41.69
Fast	300	400	52.98	13.30	4.68	13.25	9.68	2.86	43.77
Solid body or semi-transparent stain, water or oil base (material #18 or #19 or #20 or #21)									
Spray each coat									
Slow	350	300	70.60	7.34	1.77	23.53	6.20	6.21	45.05
Medium	400	250	61.78	8.19	2.36	24.71	8.82	5.29	49.37
Fast	450	200	52.98	8.87	3.11	26.49	11.93	3.53	53.93

Use these figures for quantities greater than 100 square feet. For quantities less than 100 square feet, use Fireplace siding. These costs are based on painting interior tongue and groove, wood veneer or plain wainscot wood paneling. Do not deduct for openings less than 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for masking-off or cutting-in at wall-to-ceiling intersections and for protecting adjacent surfaces as necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, wood paneled, interior, stain grade, per 100 SF of wall area, brush</b>									
Stain, seal and 2 coat lacquer system (7 step process)									
STEP 1: Sand & putty									
Slow	175	--	--	14.69	3.51	--	3.46	3.47	25.13
Medium	200	--	--	16.38	4.73	--	5.28	3.17	29.56
Fast	225	--	--	17.73	6.24	--	7.44	2.20	33.61
STEP 2 & 3: Wiping stain, oil base (material #11a) & wipe									
Brush 1 coat & wipe									
Slow	100	400	87.30	25.70	6.17	21.83	10.20	10.22	74.12
Medium	125	375	76.40	26.20	7.57	20.37	13.54	8.12	75.80
Fast	150	350	65.50	26.60	9.40	18.71	16.96	5.02	76.69
STEP 4 & 5: Sanding sealer (material #11b) & sand lightly									
Brush 1 coat & wipe									
Slow	200	450	70.90	12.85	3.09	15.76	6.02	6.03	43.75
Medium	220	425	62.10	14.89	4.32	14.61	8.45	5.07	47.34
Fast	240	400	53.20	16.63	5.88	13.30	11.10	3.28	50.19
STEP 6 & 7: Lacquer, 2 coats (material #11c)									
Brush 1st coat									
Slow	175	375	87.80	14.69	3.51	23.41	7.91	7.93	57.45
Medium	225	350	76.80	14.56	4.18	21.94	10.18	6.11	56.97
Fast	300	325	65.90	13.30	4.68	20.28	11.86	3.51	53.63
Brush 2nd coat									
Slow	225	400	87.80	11.42	2.73	21.95	6.86	6.88	49.84
Medium	288	388	76.80	11.37	3.28	19.79	8.61	5.17	48.22
Fast	350	375	65.90	11.40	4.04	17.57	10.23	3.03	46.27
Complete 7 step stain, seal & 2 coat lacquer system (material #11)									
Brush all coats									
Slow	40	170	83.50	64.25	15.43	49.12	24.47	24.52	177.79
Medium	45	158	73.00	72.78	21.01	46.20	35.00	21.00	195.99
Fast	50	145	62.60	79.80	28.16	43.17	46.85	13.86	211.84
Penetrating stain wax (material #14)									
Brush each coat									
Slow	300	500	137.30	8.57	2.04	27.46	7.24	7.25	52.56
Medium	350	475	120.20	9.36	2.71	25.31	9.35	5.61	52.34
Fast	400	450	103.00	9.98	3.52	22.89	11.28	3.34	51.01

These costs are based on painting interior tongue and groove, wood veneer or plain wainscot wood paneling. Do not deduct for openings less than 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for masking-off or cutting-in at wall-to-ceiling intersections and for protecting adjacent surfaces as necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, wood paneled, interior, stain grade, per 100 SF of wall area, spray</b>									
Stain, seal and 2 coat lacquer system (7 step process)									
STEP 1: Sand & putty									
Slow	175	--	--	14.69	3.51	--	3.46	3.47	25.13
Medium	200	--	--	16.38	4.73	--	5.28	3.17	29.56
Fast	225	--	--	17.73	6.24	--	7.44	2.20	33.61
STEP 2 & 3: Wiping stain, oil base (material #11a) & wipe									
Spray 1 coat & wipe									
Slow	350	175	87.30	7.34	1.77	49.89	11.21	11.23	81.44
Medium	425	150	76.40	7.71	2.21	50.93	15.22	9.13	85.20
Fast	500	125	65.50	7.98	2.82	52.40	19.59	5.80	88.59
STEP 4 & 5: Sanding sealer (material #11b) & sand lightly									
Spray 1 coat & wipe									
Slow	400	175	70.90	6.43	1.54	40.51	9.21	9.23	66.92
Medium	500	150	62.10	6.55	1.89	41.40	12.46	7.48	69.78
Fast	600	125	53.20	6.65	2.36	42.56	15.98	4.73	72.28
STEP 6 & 7: Lacquer, 2 coats (material #11c)									
Spray 1st coat									
Slow	450	150	87.80	5.71	1.37	58.53	12.47	12.49	90.57
Medium	550	125	76.80	5.95	1.73	61.44	17.28	10.37	96.77
Fast	650	100	65.90	6.14	2.17	65.90	23.01	6.81	104.03
Spray 2nd coat									
Slow	450	225	87.80	5.71	1.37	39.02	8.76	8.78	63.64
Medium	550	200	76.80	5.95	1.73	38.40	11.52	6.91	64.51
Fast	650	175	65.90	6.14	2.17	37.66	14.25	4.22	64.44
Complete 7 step stain, seal & 2 coat lacquer system (material #11)									
Spray all coats									
Slow	70	60	83.50	36.71	8.83	139.17	35.09	35.16	254.96
Medium	80	50	73.00	40.94	11.82	146.00	49.69	29.82	278.27
Fast	90	40	62.60	44.33	15.64	156.50	67.11	19.85	303.43

These costs are based on painting interior tongue and groove, wood veneer or plain wainscot wood paneling. Do not deduct for openings less than 100 square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. ADD for masking-off or cutting-in at wall-to-ceiling intersections and for protecting adjacent surfaces as necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Frames per manhour	Frames per gallon	Material cost per gallon	Labor cost per frame	Labor burden frame	Material cost per frame	Overhead per frame	Profit per frame	Total price per frame
<b>Window screen frames, paint grade, per frame (15 square feet)</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	5	50	63.85	5.14	1.23	1.28	1.45	1.46	10.56
Medium	6	45	55.90	5.46	1.59	1.24	2.07	1.24	11.60
Fast	7	40	47.95	5.70	2.02	1.20	2.76	.82	12.50
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	8	60	88.63	3.21	.77	1.48	1.04	1.04	7.54
Medium	9	58	77.55	3.64	1.05	1.34	1.51	.90	8.44
Fast	10	55	66.48	3.99	1.41	1.21	2.05	.61	9.27
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	6	55	113.40	4.28	1.04	2.06	1.40	1.40	10.18
Medium	7	53	99.20	4.68	1.36	1.87	1.98	1.19	11.08
Fast	8	50	85.00	4.99	1.76	1.70	2.62	.77	11.84

These figures will apply when painting all sides of wood window screens up to 15 square feet (length times width). Add: Preparation time for protecting adjacent surfaces with masking tape and paper as required. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*General Painting Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Window seats, wood, paint grade, per 100 square feet coated</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	20	45	63.85	128.50	30.85	141.89	57.23	57.35	415.82
Medium	25	43	55.90	131.00	37.84	130.00	74.72	44.83	418.39
Fast	30	40	47.95	133.00	46.92	119.88	92.95	27.49	420.24
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	30	60	88.63	85.67	20.55	147.72	48.25	48.35	350.54
Medium	35	58	77.55	93.57	27.02	133.71	63.58	38.15	356.03
Fast	40	55	66.48	99.75	35.20	120.87	79.31	23.46	358.59
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	25	55	113.40	102.80	24.68	206.18	63.39	63.53	460.58
Medium	30	53	99.20	109.17	31.52	187.17	81.97	49.18	459.01
Fast	35	50	85.00	114.00	40.22	170.00	100.51	29.73	454.46

Measurements are based on square feet of surface area of each window seat. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Window sills, wood, paint grade, per 100 linear feet coated</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	40	140	63.85	64.25	15.43	45.61	23.80	23.85	172.94
Medium	50	130	55.90	65.50	18.92	43.00	31.86	19.11	178.39
Fast	60	120	47.95	66.50	23.48	39.96	40.28	11.91	182.13
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	60	180	88.63	42.83	10.30	49.24	19.45	19.49	141.31
Medium	70	170	77.55	46.79	13.53	45.62	26.48	15.89	148.31
Fast	80	160	66.48	49.88	17.60	41.55	33.80	10.00	152.83
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	50	175	113.40	51.40	12.34	64.80	24.42	24.47	177.43
Medium	60	163	99.20	54.58	15.78	60.86	32.80	19.68	183.70
Fast	70	150	85.00	57.00	20.14	56.67	41.47	12.27	187.55

Measurements are based on linear feet of each window sill. Add: Preparation time for protecting adjacent surfaces with masking tape and paper as required. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Frames per manhour	Frames per gallon	Material cost per gallon	Labor cost per frame	Labor burden frame	Material cost per frame	Overhead per frame	Profit per frame	Total price per frame
<b>Window storm sash, paint grade, per 15 square feet painted</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	3	25	63.85	8.57	2.04	2.55	2.50	2.51	18.17
Medium	4	24	55.90	8.19	2.36	2.33	3.22	1.93	18.03
Fast	5	22	47.95	7.98	2.82	2.18	4.02	1.19	18.19
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	5	35	88.63	5.14	1.23	2.53	1.69	1.69	12.28
Medium	6	33	77.55	5.46	1.59	2.35	2.35	1.41	13.16
Fast	7	30	66.48	5.70	2.02	2.22	3.08	.91	13.93
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	4	30	113.40	6.43	1.54	3.78	2.23	2.24	16.22
Medium	5	28	99.20	6.55	1.89	3.54	3.00	1.80	16.78
Fast	6	25	85.00	6.65	2.36	3.40	3.84	1.14	17.39

These figures will apply when painting all sides of two-lite wood storm sash measuring up to 15 square feet overall (length times width). Add: Preparation time for protecting adjacent surfaces with window protective coating or masking tape and paper as required. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

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**Windows, wood, exterior or interior, *per window basis*****Windows 15 square feet or smaller**

Use the figures in the following tables to estimate the costs for finishing exterior or interior wood windows on a *per window basis* where the windows are 15 square feet or less in area (length times width). For estimating windows larger than 15 square feet, use these same tables and estimate additional time and material proportionately or use the system for windows, wood, exterior or interior *square foot basis* on page 290. Both the *per window basis* and the *square foot basis* include time and material needed to paint the sash (mullions or muntins), trim, frames, jambs, sill and apron on ONE SIDE ONLY. The stain, seal and finish coat systems include one coat of stain sanding sealer, light sanding and one finish coat of either varnish for exterior or lacquer for interior. In addition, finalizing the varnish application usually includes a steel wool buff and wax application with minimum material usage. Add preparation time for sanding, putty and for protecting adjacent surfaces and protecting window panes with window protective coating (wax) or masking tape and paper as required. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that might apply to the following *per window basis* tables are on page 9.

	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, exterior, <i>per window basis</i>, 1, 2 and 3 panes, 15 square feet or smaller</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.25	15.0	63.85	6.43	1.54	4.26	2.32	2.33	16.88
Medium	.20	14.5	55.90	6.55	1.89	3.86	3.08	1.85	17.23
Fast	.15	14.0	47.95	5.99	2.11	3.43	3.57	1.06	16.16
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.30	17.0	88.63	7.71	1.85	5.21	2.81	2.81	20.39
Medium	.25	16.5	77.55	8.19	2.36	4.70	3.82	2.29	21.36
Fast	.20	16.0	66.48	7.98	2.82	4.16	4.64	1.37	20.97
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.35	16.0	113.40	9.00	2.15	7.09	3.47	3.48	25.19
Medium	.30	15.5	99.20	9.83	2.83	6.40	4.77	2.86	26.69
Fast	.25	15.0	85.00	9.98	3.52	5.67	5.94	1.76	26.87
Stain, seal & 1 coat varnish system (material #30)									
Brush each coat									
Slow	.70	11.0	97.60	17.99	4.32	8.87	5.92	5.94	43.04
Medium	.65	10.0	85.50	21.29	6.15	8.55	9.00	5.40	50.39
Fast	.60	9.0	73.20	23.94	8.45	8.13	12.56	3.72	56.80
Varnish (material #30c)									
Brush additional coats of varnish									
Slow	.25	22.0	112.40	6.43	1.54	5.11	2.49	2.49	18.06
Medium	.23	20.0	98.30	7.53	2.18	4.92	3.66	2.19	20.48
Fast	.20	18.0	84.30	7.98	2.82	4.68	4.80	1.42	21.70
Buff & wax after varnish application (material - minimal)									
Steel wool buff									
Slow	.25	--	--	6.43	1.54	--	1.51	1.52	11.00
Medium	.20	--	--	6.55	1.89	--	2.11	1.27	11.82
Fast	.15	--	--	5.99	2.11	--	2.51	.74	11.35
Wax application (material - minimal)									
Slow	.25	--	--	6.43	1.54	--	1.51	1.52	11.00
Medium	.20	--	--	6.55	1.89	--	2.11	1.27	11.82
Fast	.15	--	--	5.99	2.11	--	2.51	.74	11.35

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, *per window basis*.



	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, exterior, <i>per window basis</i>, 4 to 6 panes</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.35	14.0	63.85	9.00	2.15	4.56	2.99	2.99	21.69
Medium	.30	13.5	55.90	9.83	2.83	4.14	4.20	2.52	23.52
Fast	.25	13.0	47.95	9.98	3.52	3.69	5.33	1.58	24.10
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.40	16.0	88.63	10.28	2.47	5.54	3.48	3.48	25.25
Medium	.35	15.5	77.55	11.46	3.31	5.00	4.94	2.97	27.68
Fast	.30	15.0	66.48	11.97	4.22	4.43	6.40	1.89	28.91
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.50	15.0	113.40	12.85	3.09	7.56	4.46	4.47	32.43
Medium	.45	14.5	99.20	14.74	4.25	6.84	6.46	3.88	36.17
Fast	.40	14.0	85.00	15.96	5.63	6.07	8.57	2.54	38.77
Stain, seal & 1 coat varnish system (material #30)									
Brush each coat									
Slow	.98	10.0	97.60	25.19	6.04	9.76	7.79	7.81	56.59
Medium	.88	9.0	85.50	28.82	8.32	9.50	11.66	7.00	65.30
Fast	.78	8.0	73.20	31.12	10.98	9.15	15.89	4.70	71.84
Varnish (material #30c)									
Brush additional coats of varnish									
Slow	.33	21.0	112.40	8.48	2.04	5.35	3.02	3.02	21.91
Medium	.27	19.0	98.30	8.84	2.56	5.17	4.14	2.48	23.19
Fast	.22	17.0	84.30	8.78	3.10	4.96	5.22	1.54	23.60
Buff & wax after varnish application (material - minimal)									
Steel wool buff									
Slow	.33	--	--	8.48	2.04	--	2.00	2.00	14.52
Medium	.27	--	--	8.84	2.56	--	2.85	1.71	15.96
Fast	.22	--	--	8.78	3.10	--	3.68	1.09	16.65
Wax application (material - minimal)									
Slow	.33	--	--	8.48	2.04	--	2.00	2.00	14.52
Medium	.27	--	--	8.84	2.56	--	2.85	1.71	15.96
Fast	.22	--	--	8.78	3.10	--	3.68	1.09	16.65

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, *per window basis*.

	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, exterior, per window basis, 7 to 8 panes</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.45	13	63.85	11.57	2.77	4.91	3.66	3.67	26.58
Medium	.40	13	55.90	13.10	3.78	4.30	5.30	3.18	29.66
Fast	.35	12	47.95	13.97	4.92	4.00	7.10	2.10	32.09
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.55	15	88.63	14.14	3.39	5.91	4.45	4.46	32.35
Medium	.50	15	77.55	16.38	4.73	5.17	6.57	3.94	36.79
Fast	.45	14	66.48	17.96	6.33	4.75	9.01	2.66	40.71
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.67	14	113.40	17.22	4.13	8.10	5.60	5.61	40.66
Medium	.62	14	99.20	20.31	5.86	7.09	8.32	4.99	46.57
Fast	.57	13	85.00	22.74	8.03	6.54	11.57	3.42	52.30
Stain, seal & 1 coat varnish system (material #30)									
Brush each coat									
Slow	1.20	9	97.60	30.84	7.40	10.84	9.33	9.35	67.76
Medium	1.10	8	85.50	36.03	10.40	10.69	14.28	8.57	79.97
Fast	1.00	7	73.20	39.90	14.08	10.46	19.98	5.91	90.33
Varnish (material #30c)									
Brush additional coats of varnish									
Slow	.38	20	112.40	9.77	2.34	5.62	3.37	3.38	24.48
Medium	.33	18	98.30	10.81	3.12	5.46	4.85	2.91	27.15
Fast	.27	16	84.30	10.77	3.80	5.27	6.15	1.82	27.81
Buff & wax after varnish application (material - minimal)									
Steel wool buff									
Slow	.38	--	--	9.77	2.34	--	2.30	2.31	16.72
Medium	.33	--	--	10.81	3.12	--	3.48	2.09	19.50
Fast	.27	--	--	10.77	3.80	--	4.52	1.34	20.43
Wax application (material - minimal)									
Slow	.38	--	--	9.77	2.34	--	2.30	2.31	16.72
Medium	.33	--	--	10.81	3.12	--	3.48	2.09	19.50
Fast	.27	--	--	10.77	3.80	--	4.52	1.34	20.43

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, per window basis.

	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, exterior, <i>per window basis</i>, 9 to 11 panes</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.55	12	63.85	14.14	3.39	5.32	4.34	4.35	31.54
Medium	.50	12	55.90	16.38	4.73	4.66	6.44	3.87	36.08
Fast	.45	11	47.95	17.96	6.33	4.36	8.88	2.63	40.16
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.67	14	88.63	17.22	4.13	6.33	5.26	5.27	38.21
Medium	.62	14	77.55	20.31	5.86	5.54	7.93	4.76	44.40
Fast	.57	13	66.48	22.74	8.03	5.11	11.12	3.29	50.29
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.78	13	113.40	20.05	4.81	8.72	6.38	6.39	46.35
Medium	.73	13	99.20	23.91	6.90	7.63	9.61	5.77	53.82
Fast	.68	12	85.00	27.13	9.58	7.08	13.57	4.02	61.38
Stain, seal & 1 coat varnish system (material #30)									
Brush each coat									
Slow	1.50	7	97.60	38.55	9.26	13.94	11.73	11.76	85.24
Medium	1.40	6	85.50	45.85	13.24	14.25	18.34	11.00	102.68
Fast	1.30	5	73.20	51.87	18.30	14.64	26.29	7.78	118.88
Varnish (material #30c)									
Brush additional coats of varnish									
Slow	.45	19	112.40	11.57	2.77	5.92	3.85	3.86	27.97
Medium	.40	17	98.30	13.10	3.78	5.78	5.67	3.40	31.73
Fast	.35	15	84.30	13.97	4.92	5.62	7.60	2.25	34.36
Buff & wax after varnish application (material - minimal)									
Steel wool buff									
Slow	.45	--	--	11.57	2.77	--	2.73	2.73	19.80
Medium	.40	--	--	13.10	3.78	--	4.22	2.53	23.63
Fast	.35	--	--	13.97	4.92	--	5.86	1.73	26.48
Wax application (material - minimal)									
Slow	.45	--	--	11.57	2.77	--	2.73	2.73	19.80
Medium	.40	--	--	13.10	3.78	--	4.22	2.53	23.63
Fast	.35	--	--	13.97	4.92	--	5.86	1.73	26.48

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, *per window basis*.

	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, exterior, per window basis, 12 pane</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.67	11	63.85	17.22	4.13	5.80	5.16	5.17	37.48
Medium	.62	11	55.90	20.31	5.86	5.08	7.82	4.69	43.76
Fast	.57	10	47.95	22.74	8.03	4.80	11.03	3.26	49.86
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.72	13	88.63	18.50	4.45	6.82	5.65	5.67	41.09
Medium	.67	13	77.55	21.94	6.34	5.97	8.56	5.14	47.95
Fast	.62	12	66.48	24.74	8.73	5.54	12.09	3.58	54.68
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.85	12	113.40	21.85	5.24	9.45	6.94	6.96	50.44
Medium	.80	12	99.20	26.20	7.57	8.27	10.51	6.31	58.86
Fast	.75	11	85.00	29.93	10.56	7.73	14.95	4.42	67.59
Stain, seal & 1 coat varnish system (material #30)									
Brush each coat									
Slow	1.70	6	97.60	43.69	10.49	16.27	13.39	13.41	97.25
Medium	1.60	5	85.50	52.40	15.14	17.10	21.16	12.70	118.50
Fast	1.50	4	73.20	59.85	21.12	18.30	30.78	9.10	139.15
Varnish (material #30c)									
Brush additional coats of varnish									
Slow	.50	18	112.40	12.85	3.09	6.24	4.21	4.22	30.61
Medium	.45	16	98.30	14.74	4.25	6.14	6.29	3.77	35.19
Fast	.40	14	84.30	15.96	5.63	6.02	8.56	2.53	38.70
Buff & wax after varnish application (material - minimal)									
Steel wool buff									
Slow	.50	--	--	12.85	3.09	--	3.03	3.03	22.00
Medium	.45	--	--	14.74	4.25	--	4.75	2.85	26.59
Fast	.40	--	--	15.96	5.63	--	6.69	1.98	30.26
Wax application (material - minimal)									
Slow	.50	--	--	12.85	3.09	--	3.03	3.03	22.00
Medium	.45	--	--	14.74	4.25	--	4.75	2.85	26.59
Fast	.40	--	--	15.96	5.63	--	6.69	1.98	30.26

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, per window basis.

	Manhour per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, interior, <i>per window basis</i>, 1, 2 or 3 panes, 15 square feet or smaller</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.25	15	63.85	6.43	1.54	4.26	2.32	2.33	16.88
Medium	.20	15	55.90	6.55	1.89	3.73	3.04	1.83	17.04
Fast	.15	14	47.95	5.99	2.11	3.43	3.57	1.06	16.16
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.30	17	88.63	7.71	1.85	5.21	2.81	2.81	20.39
Medium	.25	17	77.55	8.19	2.36	4.56	3.78	2.27	21.16
Fast	.20	16	66.48	7.98	2.82	4.16	4.64	1.37	20.97
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.35	16	113.40	9.00	2.15	7.09	3.47	3.48	25.19
Medium	.30	16	99.20	9.83	2.83	6.20	4.72	2.83	26.41
Fast	.25	15	85.00	9.98	3.52	5.67	5.94	1.76	26.87
Stain, seal & 1 coat lacquer system, (material #11)									
Brush each coat									
Slow	.70	11	83.50	17.99	4.32	7.59	5.68	5.69	41.27
Medium	.65	10	73.00	21.29	6.15	7.30	8.69	5.21	48.64
Fast	.60	9	62.60	23.94	8.45	6.96	12.20	3.61	55.16
Lacquer (material #11c)									
Brush additional coats of lacquer									
Slow	.25	22	87.80	6.43	1.54	3.99	2.27	2.28	16.51
Medium	.23	20	76.80	7.53	2.18	3.84	3.39	2.03	18.97
Fast	.20	18	65.90	7.98	2.82	3.66	4.48	1.33	20.27

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, *per window basis*.

	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, interior, per window basis, 4 to 6 panes</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.35	14	63.85	9.00	2.15	4.56	2.99	2.99	21.69
Medium	.30	14	55.90	9.83	2.83	3.99	4.17	2.50	23.32
Fast	.25	13	47.95	9.98	3.52	3.69	5.33	1.58	24.10
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.40	16	88.63	10.28	2.47	5.54	3.48	3.48	25.25
Medium	.35	16	77.55	11.46	3.31	4.85	4.91	2.94	27.47
Fast	.30	15	66.48	11.97	4.22	4.43	6.40	1.89	28.91
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.50	15	113.40	12.85	3.09	7.56	4.46	4.47	32.43
Medium	.45	15	99.20	14.74	4.25	6.61	6.40	3.84	35.84
Fast	.40	14	85.00	15.96	5.63	6.07	8.57	2.54	38.77
Stain, seal & 1 coat lacquer system, (material #11)									
Brush each coat									
Slow	.98	10	83.50	25.19	6.04	8.35	7.52	7.54	54.64
Medium	.88	9	73.00	28.82	8.32	8.11	11.32	6.79	63.36
Fast	.78	8	62.60	31.12	10.98	7.83	15.48	4.58	69.99
Lacquer (material #11c)									
Brush additional coats of lacquer									
Slow	.33	21	87.80	8.48	2.04	4.18	2.79	2.80	20.29
Medium	.27	19	76.80	8.84	2.56	4.04	3.86	2.31	21.61
Fast	.22	17	65.90	8.78	3.10	3.88	4.89	1.45	22.10

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, per window basis.

	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, interior, per window basis, 7 to 8 panes</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.45	13	63.85	11.57	2.77	4.91	3.66	3.67	26.58
Medium	.40	13	55.90	13.10	3.78	4.30	5.30	3.18	29.66
Fast	.35	12	47.95	13.97	4.92	4.00	7.10	2.10	32.09
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.55	15	88.63	14.14	3.39	5.91	4.45	4.46	32.35
Medium	.50	15	77.55	16.38	4.73	5.17	6.57	3.94	36.79
Fast	.45	14	66.48	17.96	6.33	4.75	9.01	2.66	40.71
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.67	14	113.40	17.22	4.13	8.10	5.60	5.61	40.66
Medium	.62	14	99.20	20.31	5.86	7.09	8.32	4.99	46.57
Fast	.57	13	85.00	22.74	8.03	6.54	11.57	3.42	52.30
Stain, seal & 1 coat lacquer system, (material #11)									
Brush each coat									
Slow	1.20	9	83.50	30.84	7.40	9.28	9.03	9.05	65.60
Medium	1.10	8	73.00	36.03	10.40	9.13	13.89	8.34	77.79
Fast	1.00	7	62.60	39.90	14.08	8.94	19.51	5.77	88.20
Lacquer (material #11c)									
Brush additional coats of lacquer									
Slow	.38	20	87.80	9.77	2.34	4.39	3.14	3.14	22.78
Medium	.33	18	76.80	10.81	3.12	4.27	4.55	2.73	25.48
Fast	.27	16	65.90	10.77	3.80	4.12	5.79	1.71	26.19

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, per window basis.

	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, interior, per window basis, 9 to 11 panes</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.55	12	63.85	14.14	3.39	5.32	4.34	4.35	31.54
Medium	.50	12	55.90	16.38	4.73	4.66	6.44	3.87	36.08
Fast	.45	11	47.95	17.96	6.33	4.36	8.88	2.63	40.16
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.67	14	88.63	17.22	4.13	6.33	5.26	5.27	38.21
Medium	.62	14	77.55	20.31	5.86	5.54	7.93	4.76	44.40
Fast	.57	13	66.48	22.74	8.03	5.11	11.12	3.29	50.29
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.78	13	113.40	20.05	4.81	8.72	6.38	6.39	46.35
Medium	.73	13	99.20	23.91	6.90	7.63	9.61	5.77	53.82
Fast	.68	12	85.00	27.13	9.58	7.08	13.57	4.02	61.38
Stain, seal & 1 coat lacquer system, (material #11)									
Brush each coat									
Slow	1.50	8	83.50	38.55	9.26	10.44	11.07	11.09	80.41
Medium	1.40	7	73.00	45.85	13.24	10.43	17.38	10.43	97.33
Fast	1.30	6	62.60	51.87	18.30	10.43	24.99	7.39	112.98
Lacquer (material #11c)									
Brush additional coats of lacquer									
Slow	.45	19	87.80	11.57	2.77	4.62	3.60	3.61	26.17
Medium	.40	17	76.80	13.10	3.78	4.52	5.35	3.21	29.96
Fast	.35	15	65.90	13.97	4.92	4.39	7.22	2.14	32.64

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, per window basis.



	Manhours per window	Windows per gallon	Material cost per gallon	Labor cost per window	Labor burden window	Material cost per window	Overhead per window	Profit per window	Total price per window
<b>Windows, wood, interior, per window basis, 12 pane</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	.67	11	63.85	17.22	4.13	5.80	5.16	5.17	37.48
Medium	.62	11	55.90	20.31	5.86	5.08	7.82	4.69	43.76
Fast	.57	10	47.95	22.74	8.03	4.80	11.03	3.26	49.86
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	.72	13	88.63	18.50	4.45	6.82	5.65	5.67	41.09
Medium	.67	13	77.55	21.94	6.34	5.97	8.56	5.14	47.95
Fast	.62	12	66.48	24.74	8.73	5.54	12.09	3.58	54.68
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	.85	12	113.40	21.85	5.24	9.45	6.94	6.96	50.44
Medium	.80	12	99.20	26.20	7.57	8.27	10.51	6.31	58.86
Fast	.75	11	85.00	29.93	10.56	7.73	14.95	4.42	67.59
Stain, seal & 1 coat lacquer system, (material #11)									
Brush each coat									
Slow	1.70	7	83.50	43.69	10.49	11.93	12.56	12.59	91.26
Medium	1.60	6	73.00	52.40	15.14	12.17	19.93	11.96	111.60
Fast	1.50	5	62.60	59.85	21.12	12.52	28.99	8.57	131.05
Lacquer (material #11c)									
Brush additional coats of lacquer									
Slow	.50	18	87.80	12.85	3.09	4.88	3.95	3.96	28.73
Medium	.45	16	76.80	14.74	4.25	4.80	5.95	3.57	33.31
Fast	.40	14	65.90	15.96	5.63	4.71	8.15	2.41	36.86

For notes on this table, see the note section on page 279 under Windows, wood, exterior or interior, per window basis.

**Windows, wood, exterior or interior, square foot basis****Windows larger than 15 square feet**

Use the figures in the following tables to estimate exterior or interior wood windows on a *square foot basis* where the windows are larger than 15 square feet in area (length times width). For estimating windows 15 square feet or smaller, use the system for windows, wood exterior, or interior on a *per window basis*. Both the square foot basis and the per window basis include time and material needed to paint the sash (mullions or muntins), trim, frames, jambs, sill and apron on ONE SIDE ONLY. The stain, seal and finish coat systems include one coat of stain, sanding sealer, light sanding and one finish coat of either varnish for exterior or lacquer for interior. In addition, finalizing the varnish application usually includes a steel wool buff and wax application with minimum material usage. Add preparation time for sanding, putty, protecting adjacent surfaces and protecting window panes with window protective coating (wax) or masking tape and paper as required. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that might apply to the following *per window basis* tables are listed on page 9.

**Example calculation:** Measure each window and add 1 foot to each dimension before calculating the area. For example, a window measuring 4'0" x 4'0" with 1 foot added to the top, bottom, right side and left side is now a 6 x 6 dimension or 36 square feet. Then, add an additional 2 square feet for each window pane, with allows time to finish the mullions, muntins and sash. The square footage calculation for this six pane window would be  $36 + (2 \times 6)$  or 48 square feet. Use this number and apply it to the appropriate manhour and material coverage figures in the table.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Paint grade</b>									
Undercoat, water or oil base (material #3 or #4)									
Brush 1 coat									
Slow	150	460	63.85	17.13	4.13	13.88	6.67	6.69	48.50
Medium	165	450	55.90	19.85	5.73	12.42	9.50	5.70	53.20
Fast	180	440	47.95	22.17	7.84	10.90	12.68	3.75	57.34
Split coat (1/2 undercoat + 1/2 enamel), water or oil base (material #3 or #4 or #9 or #10)									
Brush 1 coat									
Slow	120	520	88.63	21.42	5.13	17.04	8.28	8.30	60.17
Medium	135	500	77.55	24.26	7.02	15.51	11.70	7.02	65.51
Fast	150	480	66.48	26.60	9.40	13.85	15.45	4.57	69.87
Enamel, water or oil base (material #9 or #10)									
Brush each finish coat									
Slow	100	500	113.40	25.70	6.17	22.68	10.36	10.39	75.30
Medium	113	480	99.20	28.98	8.38	20.67	14.51	8.70	81.24
Fast	125	460	85.00	31.92	11.26	18.48	19.12	5.66	86.44

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Stain grade, exterior</b>									
Stain grade: stain, seal & 1 coat varnish system (material #30)									
Brush all coats									
Slow	45	335	97.60	57.11	13.71	29.13	18.99	19.03	137.97
Medium	55	305	85.50	59.55	17.19	28.03	26.20	15.72	146.69
Fast	65	280	73.20	61.38	21.64	26.14	33.85	10.01	153.02
Brush additional coats of varnish (material #30c)									
Slow	140	675	112.40	18.36	4.40	16.65	7.49	7.51	54.41
Medium	165	620	98.30	19.85	5.73	15.85	10.36	6.22	58.01
Fast	190	565	84.30	21.00	7.39	14.92	13.43	3.97	60.71
Buff & wax after varnish application (material - minimal)									
Steel wool buff									
Slow	140	--	--	18.36	4.40	--	4.33	4.34	31.43
Medium	165	--	--	19.85	5.73	--	6.40	3.84	35.82
Fast	190	--	--	21.00	7.39	--	8.81	2.61	39.81
Wax application									
Slow	140	--	--	18.36	4.40	--	4.33	4.34	31.43
Medium	165	--	--	19.85	5.73	--	6.40	3.84	35.82
Fast	190	--	--	21.00	7.39	--	8.81	2.61	39.81
<b>Stain grade, interior</b>									
Stain, seal & 1 coat lacquer system (material #11)									
Brush all coats									
Slow	45	335	83.50	57.11	13.71	24.93	18.19	18.23	132.17
Medium	55	305	73.00	59.55	17.19	23.93	25.17	15.10	140.94
Fast	65	280	62.60	61.38	21.64	22.36	32.68	9.67	147.73
Brush additional coats of lacquer (material #11c)									
Slow	140	675	87.80	18.36	4.40	13.01	6.80	6.81	49.38
Medium	165	620	76.80	19.85	5.73	12.39	9.50	5.70	53.17
Fast	190	565	65.90	21.00	7.39	11.66	12.42	3.67	56.14

For notes on this table, see page 290 under Windows, wood, exterior or interior, *square foot basis*.

## Window conversion factors -- a window area calculation shortcut

Panes	Manhours per SF conversion factor	Material per SF conversion factor
1, 2 or 3 panes	L x W x 2.0	L x W x 2.0
4 to 6 panes	L x W x 3.0	L x W x 2.2
7 to 8 panes	L x W x 4.0	L x W x 2.4
9 to 11 panes	L x W x 5.0	L x W x 2.6
12 panes	L x W x 6.0	L x W x 2.9

Use this table in conjunction with the Windows, exterior or interior, *square foot basis* table on page 290 for a guide to calculating window area on a "square foot basis." To convert the window area, calculate the actual square footage of a window, say, 4'0" x 4'0" or 16 square feet, and look in the conversion table under the number panes, say 6. The conversion factor of a 6-pane window is 3. Multiply the 16 square feet by 3 to equal 48 which is the number used in the square foot basis tables on pages 290 and 291. To undercoat at a slow rate, divide 48 by 150 to come up with .32 hours. Then divide 48 by 460 to result in .10 gallons to undercoat that window. Divide 1 gallon by .1 to find that you can undercoat 10 windows with 1 gallon of undercoat material.

General Painting Costs

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Wine racks, paint grade, spray, square feet of face</b>									
Undercoat, water base (material #3)									
Spray 1 coat									
Slow	50	100	55.90	51.40	12.34	55.90	22.73	22.78	165.15
Medium	65	88	49.00	50.38	14.54	55.68	30.16	18.09	168.85
Fast	80	75	42.00	49.88	17.60	56.00	38.28	11.32	173.08
Undercoat, oil base (material #4)									
Spray 1 coat									
Slow	50	100	71.80	51.40	12.34	71.80	25.75	25.81	187.10
Medium	65	88	62.80	50.38	14.54	71.36	34.08	20.45	190.81
Fast	80	75	53.90	49.88	17.60	71.87	43.20	12.78	195.33
Split coat (1/2 undercoat + 1/2 enamel), water base (material #3 or #9)									
Spray 1 coat									
Slow	75	150	61.45	34.27	8.21	40.97	15.86	15.89	115.20
Medium	90	138	53.80	36.39	10.51	38.99	21.48	12.89	120.26
Fast	125	125	46.10	31.92	11.26	36.88	24.82	7.34	112.22
Split coat (1/2 undercoat + 1/2 enamel), oil base (material #4 or #10)									
Spray 1 coat									
Slow	75	150	115.80	34.27	8.21	77.20	22.74	22.79	165.21
Medium	90	138	101.30	36.39	10.51	73.41	30.08	18.05	168.44
Fast	125	125	86.85	31.92	11.26	69.48	34.93	10.33	157.92
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	65	125	67.00	39.54	9.48	53.60	19.50	19.54	141.66
Medium	88	113	58.60	37.22	10.73	51.86	24.96	14.98	139.75
Fast	100	100	50.20	39.90	14.08	50.20	32.30	9.55	146.03
Spray additional finish coats									
Slow	75	150	67.00	34.27	8.21	44.67	16.56	16.60	120.31
Medium	100	138	58.60	32.75	9.46	42.46	21.17	12.70	118.54
Fast	125	125	50.20	31.92	11.26	40.16	25.84	7.64	116.82
Enamel, oil base (material #10)									
Spray 1st finish coat									
Slow	65	125	159.80	39.54	9.48	127.84	33.61	33.68	244.15
Medium	88	113	139.80	37.22	10.73	123.72	42.93	25.76	240.36
Fast	100	100	119.80	39.90	14.08	119.80	53.87	15.94	243.59
Spray additional finish coats									
Slow	75	150	159.80	34.27	8.21	106.53	28.31	28.37	205.69
Medium	100	138	139.80	32.75	9.46	101.30	35.88	21.53	200.92
Fast	125	125	119.80	31.92	11.26	95.84	43.10	12.75	194.87

These figures include coating all interior and exterior surfaces and are based on overall dimensions (length times width) of the wine rack face. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Wine racks, stain grade, per square feet of face</b>									
Stain, seal and 2 coat lacquer system (7 step process)									
STEP 1: Sand & putty									
Slow	50	--	--	51.40	12.34	--	12.11	12.14	87.99
Medium	75	--	--	43.67	12.60	--	14.07	8.44	78.78
Fast	100	--	--	39.90	14.08	--	16.73	4.95	75.66
STEP 2 & 3: Wiping stain, oil base (material #11a) & wipe									
Spray 1 coat & wipe									
Slow	100	150	87.30	25.70	6.17	58.20	17.11	17.15	124.33
Medium	175	113	76.40	18.71	5.39	67.61	22.93	13.76	128.40
Fast	225	75	65.50	17.73	6.24	87.33	34.51	10.21	156.02
STEP 4: Sanding sealer (material #11b)									
Spray 1 coat & sand									
Slow	130	150	70.90	19.77	4.74	47.27	13.64	13.67	99.09
Medium	208	113	62.10	15.75	4.55	54.96	18.82	11.29	105.37
Fast	275	75	53.20	14.51	5.14	70.93	28.07	8.30	126.95
STEP 5: Sand lightly									
Slow	75	--	--	34.27	8.21	--	8.07	8.09	58.64
Medium	100	--	--	32.75	9.46	--	10.55	6.33	59.09
Fast	125	--	--	31.92	11.26	--	13.39	3.96	60.53
STEP 6 & 7: Lacquer (material #11c)									
Spray 1st coat									
Slow	100	100	87.80	25.70	6.17	87.80	22.74	22.79	165.20
Medium	200	75	76.80	16.38	4.73	102.40	30.88	18.53	172.92
Fast	300	50	65.90	13.30	4.68	131.80	46.43	13.74	209.95
Spray 2nd coat									
Slow	175	100	87.80	14.69	3.51	87.80	20.14	20.19	146.33
Medium	313	75	76.80	10.46	3.00	102.40	28.97	17.38	162.21
Fast	450	50	65.90	8.87	3.11	131.80	44.58	13.19	201.55
Complete 7 step stain, seal & 2 coat lacquer system (material #11)									
Spray all coats									
Slow	20	25	83.50	128.50	30.85	334.00	93.73	93.93	681.01
Medium	28	20	73.00	116.96	33.77	365.00	128.94	77.36	722.03
Fast	35	15	62.60	114.00	40.22	417.33	177.19	52.41	801.15

These figures include coating all interior and exterior surfaces and are based on overall dimensions (length times width) of the wine rack face. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*Part II*

*Preparation*  
**COSTS**

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
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**Acid wash gutters & downspouts**

Acid wash, muriatic acid (material #49)

Brush or mitt 1 coat

Slow	80	450	52.30	32.13	7.71	11.62	9.78	9.80	71.04
Medium	95	425	45.70	34.47	9.98	10.75	13.80	8.28	77.28
Fast	110	400	39.20	36.27	12.80	9.80	18.25	5.40	82.52

For heights above one story, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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**Airblast, compressed air**

Average production

Slow	150	--	--	17.13	4.13	--	4.04	4.04	29.34
Medium	175	--	--	18.71	5.39	--	6.03	3.62	33.75
Fast	200	--	--	19.95	7.04	--	8.37	2.48	37.84

All widths less than 12", consider as 1 square foot per linear foot. Add equipment rental costs with Overhead and Profit. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



*Preparation Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Burn off paint</b>									
Exterior:									
Exterior trim									
Slow	15	--	--	171.33	41.15	--	40.37	40.45	293.30
Medium	20	--	--	163.75	47.30	--	52.77	31.66	295.48
Fast	25	--	--	159.60	56.32	--	66.94	19.80	302.66
Plain surfaces									
Slow	30	--	--	85.67	20.55	--	20.18	20.23	146.63
Medium	40	--	--	81.88	23.65	--	26.39	15.83	147.75
Fast	50	--	--	79.80	28.16	--	33.47	9.90	151.33
Beveled wood siding									
Slow	20	--	--	128.50	30.85	--	30.27	30.34	219.96
Medium	30	--	--	109.17	31.52	--	35.18	21.11	196.98
Fast	40	--	--	99.75	35.20	--	41.84	12.38	189.17
Interior:									
Interior trim									
Slow	10	--	--	257.00	61.70	--	60.55	60.68	439.93
Medium	15	--	--	218.33	63.08	--	70.36	42.21	393.98
Fast	20	--	--	199.50	70.40	--	83.68	24.75	378.33
Plain surfaces									
Slow	15	--	--	171.33	41.15	--	40.37	40.45	293.30
Medium	25	--	--	131.00	37.84	--	42.22	25.33	236.39
Fast	35	--	--	114.00	40.22	--	47.81	14.14	216.17

All widths less than 12", consider as 1 square foot per linear foot. Note: Because surfaces and the material being removed vary widely, it's best to quote prices for burning-off existing finishes on a Time and Material or Cost Plus Fee basis at a preset hourly rate. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

## National Painting Cost Estimator

	Labor LF per manhour	Material LF/fluid oz ounce	Material cost per ounce	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Caulk</b>									
1/8" gap (material #42)									
Slow	60	14	.84	42.83	10.30	6.00	11.23	11.25	81.61
Medium	65	13	.73	50.38	14.54	5.62	17.64	10.58	98.76
Fast	70	12	.63	57.00	20.14	5.25	25.53	7.55	115.47
1/4" gap (material #42)									
Slow	50	3.5	.84	51.40	12.34	24.00	16.67	16.71	121.12
Medium	55	3.3	.73	59.55	17.19	22.12	24.72	14.83	138.41
Fast	60	3.0	.63	66.50	23.48	21.00	34.40	10.18	155.56
3/8" gap (material #42)									
Slow	40	1.5	.84	64.25	15.43	56.00	25.78	25.83	187.29
Medium	45	1.4	.73	72.78	21.01	52.14	36.49	21.89	204.31
Fast	50	1.3	.63	79.80	28.16	48.46	48.49	14.34	219.25
1/2" gap (material #42)									
Slow	33	1.0	.84	77.88	18.69	84.00	34.31	34.38	249.26
Medium	38	0.9	.73	86.18	24.92	81.11	48.05	28.83	269.09
Fast	43	0.8	.63	92.79	32.77	78.75	63.33	18.73	286.37

Caulking that's part of normal surface preparation is included in the painting cost tables. When extra caulking is required, use this cost guide. It's based on oil or latex base, silicone or urethane caulk in 10 ounce tubes. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Cut cracks</b>									
Varnish or hard oil and repair cracks									
Slow	120	--	--	21.42	5.13	--	5.05	5.06	36.66
Medium	130	--	--	25.19	7.27	--	8.12	4.87	45.45
Fast	140	--	--	28.50	10.04	--	11.95	3.54	54.03
Gloss painted walls and fix cracks									
Slow	125	--	--	20.56	4.94	--	4.84	4.85	35.19
Medium	135	--	--	24.26	7.02	--	7.82	4.69	43.79
Fast	145	--	--	27.52	9.73	--	11.54	3.41	52.20

All widths less than 12", consider as 1 square foot per linear foot. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*Preparation Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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### Fill wood floors

Fill and wipe wood floors (material #48)

Slow	45	155	77.40	57.11	13.71	49.94	22.94	22.99	166.69
Medium	60	145	67.80	54.58	15.78	46.76	29.28	17.57	163.97
Fast	75	135	58.10	53.20	18.76	43.04	35.66	10.55	161.21

All widths less than 12", consider as 1 square foot per linear foot. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/pound	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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### Putty application

Good condition, 1 coat (material #45)

Slow	60	150	13.80	42.83	10.30	9.20	11.84	11.86	86.03
Medium	90	135	12.10	36.39	10.51	8.96	13.97	8.38	78.21
Fast	120	120	10.40	33.25	11.72	8.67	16.63	4.92	75.19

Average condition, 1 coat (material #45)

Slow	35	90	13.80	73.43	17.62	15.33	20.21	20.25	146.84
Medium	65	75	12.10	50.38	14.54	16.13	20.27	12.16	113.48
Fast	95	60	10.40	42.00	14.84	17.33	22.99	6.80	103.96

Poor condition, 1 coat (material #45)

Slow	15	40	13.80	171.33	41.15	34.50	46.92	47.02	340.92
Medium	30	30	12.10	109.17	31.52	40.33	45.26	27.16	253.44
Fast	45	20	10.40	88.67	31.27	52.00	53.31	15.77	241.02

These figures apply to either spackle or Swedish putty. All widths less than 12", consider as 1 square foot per linear foot. For heights above 8 feet, use the High Time Difficulty Factors on page 139. For flat trim or sash: Estimate 1 linear foot of trim as 1 square foot of surface. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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### Sand, medium (before first coat)

Interior flatwall areas

Slow	275	--	--	9.35	2.25	--	2.90	2.32	16.82
Medium	300	--	--	10.92	3.14	--	3.52	2.11	19.69
Fast	325	--	--	12.28	4.35	--	5.15	1.52	23.30

Interior enamel areas

Slow	250	--	--	10.28	2.47	--	2.42	2.43	17.60
Medium	275	--	--	11.91	3.45	--	3.84	2.30	21.50
Fast	300	--	--	13.30	4.68	--	5.58	1.65	25.21

All widths less than 12", consider as 1 square foot per linear foot. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Sand &amp; putty (before second coat)</b>									
Interior flatwall areas									
Slow	190	--	--	13.53	3.23	--	3.19	3.20	23.15
Medium	200	--	--	16.38	4.73	--	5.28	3.17	29.56
Fast	210	--	--	19.00	6.69	--	7.97	2.36	36.02
Interior enamel areas									
Slow	110	--	--	23.36	5.61	--	5.50	5.52	39.99
Medium	125	--	--	26.20	7.57	--	8.44	5.07	47.28
Fast	140	--	--	28.50	10.04	--	11.95	3.54	54.03
Exterior siding & trim - plain									
Slow	180	--	--	14.28	3.44	--	3.36	3.37	24.45
Medium	200	--	--	16.38	4.73	--	5.28	3.17	29.56
Fast	220	--	--	18.14	6.42	--	7.61	2.25	34.42
Exterior trim only									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	110	--	--	29.77	8.60	--	9.59	5.76	53.72
Fast	120	--	--	33.25	11.72	--	13.95	4.13	63.05
Bookshelves									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	125	--	--	26.20	7.57	--	8.44	5.07	47.28
Fast	150	--	--	26.60	9.40	--	11.16	3.30	50.46
Cabinets									
Slow	125	--	--	20.56	4.94	--	4.84	4.85	35.19
Medium	150	--	--	21.83	6.32	--	7.04	4.22	39.41
Fast	175	--	--	22.80	8.02	--	9.56	2.83	43.21

All trim which is less than 12" wide, consider to be 12" wide. For heights above 8 feet, use the High Time Difficulty Factors on page 139. High grade work - Use the manhours equal to 1 coat of paint. For medium grade work - Use half (50%) of the manhours for 1 coat of paint. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*Preparation Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Sand, light (before third coat)</b>									
Interior flatwall areas									
Slow	335	--	--	7.67	1.86	--	1.81	1.81	13.15
Medium	345	--	--	9.49	2.75	--	3.06	1.83	17.13
Fast	355	--	--	11.24	3.98	--	4.72	1.40	21.34
Interior enamel areas									
Slow	130	--	--	19.77	4.74	--	4.66	4.67	33.84
Medium	140	--	--	23.39	6.75	--	7.54	4.52	42.20
Fast	150	--	--	26.60	9.40	--	11.16	3.30	50.46
Exterior siding & trim - plain									
Slow	250	--	--	10.28	2.47	--	2.42	2.43	17.60
Medium	275	--	--	11.91	3.45	--	3.84	2.30	21.50
Fast	300	--	--	13.30	4.68	--	5.58	1.65	25.21
Exterior trim only									
Slow	150	--	--	17.13	4.13	--	4.04	4.04	29.34
Medium	175	--	--	18.71	5.39	--	6.03	3.62	33.75
Fast	200	--	--	19.95	7.04	--	8.37	2.48	37.84
Bookshelves									
Slow	175	--	--	14.69	3.51	--	3.46	3.47	25.13
Medium	225	--	--	14.56	4.18	--	4.69	2.82	26.25
Fast	275	--	--	14.51	5.14	--	6.09	1.80	27.54
Cabinets									
Slow	200	--	--	12.85	3.09	--	3.03	3.03	22.00
Medium	250	--	--	13.10	3.78	--	4.22	2.53	23.63
Fast	300	--	--	13.30	4.68	--	5.58	1.65	25.21

All widths less than 12", consider 1 square foot per linear foot. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Sand, extra fine, flat surfaces, varnish</b>									
Sand or steel wool									
Slow	50	--	--	51.40	12.34	--	12.11	12.14	87.99
Medium	88	--	--	37.22	10.73	--	12.00	7.20	67.15
Fast	125	--	--	31.92	11.26	--	13.39	3.96	60.53

All widths less than 12", consider as 1 square foot per linear foot. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

## **Sandblast, general**

Sandblasting production rates may vary widely. Use the following figures as a reference for estimating and to establish performance data for your company. The abrasive material used in sandblasting is usually white silica sand although slags have recently gained in popularity. Material consumption varies with several factors:

- 1) Type of finish required
- 2) Condition of the surface
- 3) Quality of abrasive material (sharpness, cleanliness and hardness)
- 4) Nozzle size
- 5) Equipment arrangement and placement
- 6) Operator skill

All material consumption values are based on three uses of a 25 to 35 mesh white silica sand abrasive at a cost of \$40 to \$60 per ton. (Check the current price in your area.) Note: See the Structural Steel Conversion table at Figure 23 on pages 391 through 399 for converting linear feet or tons of structural steel to square feet.

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Sandblast, brush-off blast</b>									
Surface condition basis - large projects & surface areas (material #46)									
Remove cement base paint									
Slow	150	2.0	1.13	17.13	4.13	226.00	46.98	47.08	341.32
Medium	175	2.5	1.00	18.71	5.39	250.00	68.53	41.12	383.75
Fast	200	3.0	.85	19.95	7.04	255.00	87.42	25.86	395.27
Remove oil or latex base paint									
Slow	100	3.0	1.13	25.70	6.17	339.00	70.47	70.61	511.95
Medium	125	3.5	1.00	26.20	7.57	350.00	95.94	57.57	537.28
Fast	150	4.0	.85	26.60	9.40	340.00	116.56	34.48	527.04
Surface area basis - large projects & surface areas (material #46)									
Pipe up to 12" O/D									
Slow	125	4.0	1.13	20.56	4.94	452.00	90.72	90.91	659.13
Medium	150	4.5	1.00	21.83	6.32	450.00	119.54	71.72	669.41
Fast	175	5.0	.85	22.80	8.02	425.00	141.31	41.80	638.93
Structural steel									
Sizes up to 2 SF/LF									
Slow	150	4.0	1.13	17.13	4.13	452.00	89.92	90.11	653.29
Medium	175	4.5	1.00	18.71	5.39	450.00	118.53	71.12	663.75
Fast	200	5.0	.85	19.95	7.04	425.00	140.12	41.45	633.56
Sizes from 2 to 5 SF/LF									
Slow	200	3.0	1.13	12.85	3.09	339.00	67.44	67.58	489.96
Medium	225	3.5	1.00	14.56	4.18	350.00	92.19	55.32	516.25
Fast	250	4.0	.85	15.96	5.63	340.00	112.09	33.16	506.84
Sizes over 5 SF/LF									
Slow	250	2.0	1.13	10.28	2.47	226.00	45.36	45.46	329.57
Medium	275	3.0	1.00	11.91	3.45	300.00	78.84	47.30	441.50
Fast	300	4.0	.85	13.30	4.68	340.00	110.98	32.83	501.79
Tanks and vessels									
Sizes up to 12'0" O/D									
Slow	200	3.0	1.13	12.85	3.09	339.00	67.44	67.58	489.96
Medium	225	3.5	1.00	14.56	4.18	350.00	92.19	55.32	516.25
Fast	250	4.0	.85	15.96	5.63	340.00	112.09	33.16	506.84
Sizes over 12'0" O/D									
Slow	250	2.0	1.13	10.28	2.47	226.00	45.36	45.46	329.57
Medium	275	3.0	1.00	11.91	3.45	300.00	78.84	47.30	441.50
Fast	300	4.0	.85	13.30	4.68	340.00	110.98	32.83	501.79

For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Sandblast, commercial blast (67% white)</b>									
Surface condition basis - large projects & surface areas (material #46)									
Loose mill scale & fine powder rust									
Slow	150	4.0	1.13	17.13	4.13	452.00	89.92	90.11	653.29
Medium	175	4.5	1.00	18.71	5.39	450.00	118.53	71.12	663.75
Fast	200	5.0	.85	19.95	7.04	425.00	140.12	41.45	633.56
Tight mill scale & little or no rust									
Slow	125	5.0	1.13	20.56	4.94	565.00	112.19	112.43	815.12
Medium	150	5.5	1.00	21.83	6.32	550.00	144.54	86.72	809.41
Fast	175	6.0	.85	22.80	8.02	510.00	167.66	49.60	758.08
Hard scale, blistered, rusty surface									
Slow	75	6.0	1.13	34.27	8.21	678.00	136.89	137.18	994.55
Medium	100	7.0	1.00	32.75	9.46	700.00	185.55	111.33	1039.09
Fast	125	8.0	.85	31.92	11.26	680.00	224.19	66.32	1013.69
Rust nodules and pitted surface									
Slow	50	8.0	1.13	51.40	12.34	904.00	183.87	184.26	1335.87
Medium	60	9.5	1.00	54.58	15.78	950.00	255.09	153.05	1428.50
Fast	70	11.0	.85	57.00	20.14	935.00	313.76	92.81	1418.71
Surface area basis - large projects & surface areas (material #46)									
Pipe up to 12" O/D									
Slow	45	5.0	1.13	57.11	13.71	565.00	120.81	121.06	877.69
Medium	60	6.0	1.00	54.58	15.78	600.00	167.59	100.55	938.50
Fast	75	7.0	.85	53.20	18.76	595.00	206.76	61.16	934.88
Structural steel									
Sizes up to 2 SF/LF									
Slow	70	5.0	1.13	36.71	8.83	565.00	116.00	116.24	842.78
Medium	85	6.0	1.00	38.53	11.11	600.00	162.42	97.45	909.51
Fast	100	7.0	.85	39.90	14.08	595.00	201.18	59.51	909.67
Sizes from 2 to 5 SF/LF									
Slow	80	5.0	1.13	32.13	7.71	565.00	114.92	115.16	834.92
Medium	95	5.5	1.00	34.47	9.98	550.00	148.61	89.16	832.22
Fast	110	6.0	.85	36.27	12.80	510.00	173.31	51.27	783.65
Sizes over 5 SF/LF									
Slow	85	5.0	1.13	30.24	7.24	565.00	114.48	114.72	831.68
Medium	100	5.5	1.00	32.75	9.46	550.00	148.05	88.83	829.09
Fast	115	6.0	.85	34.70	12.26	510.00	172.65	51.07	780.68



*Preparation Costs*

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tanks and vessels</b>									
<b>Sizes up to 12'0" O/D</b>									
Slow	80	6.0	1.13	32.13	7.71	678.00	136.39	136.68	990.91
Medium	95	6.5	1.00	34.47	9.98	650.00	173.61	104.16	972.22
Fast	110	7.0	.85	36.27	12.80	595.00	199.66	59.06	902.79
<b>Sizes over 12'0" O/D</b>									
Slow	75	6.0	1.13	34.27	8.21	678.00	136.89	137.18	994.55
Medium	100	6.3	1.00	32.75	9.46	630.00	168.05	100.83	941.09
Fast	125	6.5	.85	31.92	11.26	552.50	184.66	54.62	834.96

For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Sandblast, near white blast (95% white)</b>									
Surface condition basis - large projects & surface areas (material #46)									
Loose mill scale & fine powder rust									
Slow	125	5.0	1.13	20.56	4.94	565.00	112.19	112.43	815.12
Medium	150	6.0	1.00	21.83	6.32	600.00	157.04	94.22	879.41
Fast	175	7.0	.85	22.80	8.02	595.00	194.01	57.39	877.22
Tight mill scale & little or no rust									
Slow	75	7.0	1.13	34.27	8.21	791.00	158.36	158.70	1150.54
Medium	100	8.0	1.00	32.75	9.46	800.00	210.55	126.33	1179.09
Fast	125	9.0	.85	31.92	11.26	765.00	250.54	74.11	1132.83
Hard scale, blistered, rusty surface									
Slow	50	9.0	1.13	51.40	12.34	1017.00	205.34	205.77	1491.85
Medium	75	11.0	1.00	43.67	12.60	1100.00	289.07	173.44	1618.78
Fast	100	13.0	.85	39.90	14.08	1105.00	359.28	106.28	1624.54
Rust nodules and pitted surface									
Slow	35	12.0	1.13	73.43	17.62	1356.00	274.94	275.52	1997.51
Medium	50	14.5	1.00	65.50	18.92	1450.00	383.61	230.16	2148.19
Fast	65	17.0	.85	61.38	21.64	1445.00	473.70	140.12	2141.84
Surface area basis - large projects & surface areas (material #46)									
Pipe up to 12" O/D									
Slow	30	8.0	1.13	85.67	20.55	904.00	191.94	192.35	1394.51
Medium	45	9.0	1.00	72.78	21.01	900.00	248.45	149.07	1391.31
Fast	60	10.0	.85	66.50	23.48	850.00	291.39	86.20	1317.57
Structural steel									
Sizes up to 2 SF/LF									
Slow	40	7.0	1.13	64.25	15.43	791.00	165.43	165.78	1201.89
Medium	55	8.5	1.00	59.55	17.19	850.00	231.69	139.01	1297.44
Fast	70	10.0	.85	57.00	20.14	850.00	287.41	85.02	1299.57
Sizes from 2 to 5 SF/LF									
Slow	45	7.0	1.13	57.11	13.71	791.00	163.75	164.09	1189.66
Medium	60	8.0	1.00	54.58	15.78	800.00	217.59	130.55	1218.50
Fast	75	9.0	.85	53.20	18.76	765.00	259.46	76.75	1173.17
Sizes over 5 SF/LF									
Slow	55	8.0	1.13	46.73	11.21	904.00	182.77	183.16	1327.87
Medium	70	8.5	1.00	46.79	13.53	850.00	227.58	136.55	1274.45
Fast	85	9.0	.85	46.94	16.54	765.00	256.84	75.97	1161.29

*Preparation Costs*

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tanks and vessels</b>									
<b>Sizes up to 12'0" O/D</b>									
Slow	65	6.0	1.13	39.54	9.48	678.00	138.14	138.43	1003.59
Medium	80	7.0	1.00	40.94	11.82	700.00	188.19	112.92	1053.87
Fast	95	8.0	.85	42.00	14.84	680.00	228.42	67.57	1032.83
<b>Sizes over 12'0" O/D</b>									
Slow	70	6.0	1.13	36.71	8.83	678.00	137.47	137.76	998.77
Medium	85	7.0	1.00	38.53	11.11	700.00	187.42	112.45	1049.51
Fast	100	8.0	.85	39.90	14.08	680.00	227.53	67.31	1028.82

For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Sandblast, white blast (100% uniform white stage)</b>									
Surface condition basis - large projects & surface areas (material #46)									
Loose mill scale & fine powder rust									
Slow	50	7.0	1.13	51.40	12.34	791.00	162.40	162.74	1179.88
Medium	75	8.5	1.00	43.67	12.60	850.00	226.57	135.94	1268.78
Fast	100	10.0	.85	39.90	14.08	850.00	280.23	82.89	1267.10
Tight mill scale & little or no rust									
Slow	40	8.0	1.13	64.25	15.43	904.00	186.90	187.29	1357.87
Medium	60	9.5	1.00	54.58	15.78	950.00	255.09	153.05	1428.50
Fast	80	11.0	.85	49.88	17.60	935.00	310.77	91.93	1405.18
Hard scale, blistered, rusty surface									
Slow	30	10.0	1.13	85.67	20.55	1130.00	234.88	235.38	1706.48
Medium	45	12.5	1.00	72.78	21.01	1250.00	335.95	201.57	1881.31
Fast	60	15.0	.85	66.50	23.48	1275.00	423.14	125.17	1913.29
Rust nodules and pitted surface									
Slow	25	15.0	1.13	102.80	24.68	1695.00	346.27	347.00	2515.75
Medium	35	17.5	1.00	93.57	27.02	1750.00	467.65	280.59	2618.83
Fast	45	20.0	.85	88.67	31.27	1700.00	564.19	166.89	2551.02
Surface area basis - large projects & surface areas (material #46)									
Pipe up to 12" O/D									
Slow	30	10.0	1.13	85.67	20.55	1130.00	234.88	235.38	1706.48
Medium	40	11.5	1.00	81.88	23.65	1150.00	313.89	188.33	1757.75
Fast	50	13.0	.85	79.80	28.16	1105.00	376.02	111.23	1700.21
Structural steel									
Sizes up to 2 SF/LF									
Slow	40	9.0	1.13	64.25	15.43	1017.00	208.37	208.81	1513.86
Medium	50	10.5	1.00	65.50	18.92	1050.00	283.61	170.16	1588.19
Fast	60	12.0	.85	66.50	23.48	1020.00	344.09	101.78	1555.85
Sizes from 2 to 5 SF/LF									
Slow	45	8.0	1.13	57.11	13.71	904.00	185.22	185.61	1345.65
Medium	55	9.5	1.00	59.55	17.19	950.00	256.69	154.01	1437.44
Fast	65	11.0	.85	61.38	21.64	935.00	315.60	93.36	1426.98
Sizes over 5 SF/LF									
Slow	50	8.0	1.13	51.40	12.34	904.00	183.87	184.26	1335.87
Medium	60	9.5	1.00	54.58	15.78	950.00	255.09	153.05	1428.50
Fast	70	11.0	.85	57.00	20.14	935.00	313.76	92.81	1418.71

*Preparation Costs*

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tanks and vessels</b>									
Sizes up to 12'0" O/D									
Slow	60	8.0	1.13	42.83	10.30	904.00	181.85	182.23	1321.21
Medium	70	9.5	1.00	46.79	13.53	950.00	252.58	151.55	1414.45
Fast	80	11.0	.85	49.88	17.60	935.00	310.77	91.93	1405.18
Sizes over 12'0" O/D									
Slow	70	8.0	1.13	36.71	8.83	904.00	180.41	180.79	1310.74
Medium	80	9.5	1.00	40.94	11.82	950.00	250.69	150.42	1403.87
Fast	90	11.0	.85	44.33	15.64	935.00	308.44	91.24	1394.65

For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Scribing (edge scraping) and back-painting, horizontal, interior or exterior</b>									
Scribing, horizontal, heights up to 6'8"									
Five point tool scribing (edge scraping)									
Slow	25	--	--	102.80	24.68	--	24.22	24.27	175.97
Medium	34	--	--	95.27	27.52	--	30.70	18.42	171.91
Fast	44	--	--	91.20	32.20	--	38.25	11.31	172.96
Scribing, horizontal, heights from 6'8" to 9'0" (1.3 High Time Difficulty Factor included)									
Five point tool scribing (edge scraping)									
Slow	19	--	--	135.26	32.47	--	31.87	31.93	231.53
Medium	26	--	--	125.96	36.38	--	40.59	24.35	227.28
Fast	34	--	--	117.35	41.41	--	49.22	14.56	222.54
Scribing, horizontal, heights from 9'0" to 13'0" (1.6 High Time Difficulty Factor included)									
Five point tool scribing (edge scraping)									
Slow	16	--	--	164.48	39.49	--	38.75	38.83	281.55
Medium	21	--	--	152.44	44.05	--	49.13	29.48	275.10
Fast	27	--	--	145.92	51.48	--	61.20	18.10	276.70
Scribing, horizontal, heights from 13'0" to 17'0" (1.9 High Time Difficulty Factor included)									
Five point tool scribing (edge scraping)									
Slow	13	--	--	197.69	47.45	--	46.58	46.68	338.40
Medium	18	--	--	181.94	52.58	--	58.63	35.18	328.33
Fast	23	--	--	173.48	61.23	--	72.76	21.52	328.99
Scribing, horizontal, heights from 17'0" to 19'0" (2.2 High Time Difficulty Factor included)									
Five point tool scribing (edge scraping)									
Slow	11	--	--	233.64	56.09	--	55.04	55.16	399.93
Medium	16	--	--	209.60	60.54	--	67.54	40.53	378.21
Fast	20	--	--	199.50	70.40	--	83.68	24.75	378.33

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Scribing, horizontal, heights from 19'0" to 21'0" (2.5 High Time Difficulty Factor included)									
Five point tool scribing (edge scraping)									
Slow	10	--	--	257.00	61.70	--	60.55	60.68	439.93
Medium	14	--	--	238.18	68.81	--	76.75	46.05	429.79
Fast	18	--	--	228.00	80.44	--	95.63	28.29	432.36
	Labor SF per manhour	Material coverage pounds/SF	Material cost per pound	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF

## Scribing (edge scraping) and back-painting, vertical, interior or exterior

Scribing and back-painting, vertical, heights up to 6'8"

Five point tool scribing (edge scraping)

Slow	31	--	--	82.90	19.91	--	19.53	19.57	141.91
Medium	40	--	--	81.27	23.45	--	26.19	15.71	146.62
Fast	50	--	--	80.44	28.38	--	33.74	9.98	152.54

Scribing and back-painting, vertical, heights from 6'8" to 9'0" (1.3 High Time Difficulty Factor included)

Five point tool scribing (edge scraping)

Slow	24	--	--	107.08	25.72	--	25.23	25.28	183.31
Medium	31	--	--	105.65	30.52	--	34.05	20.43	190.65
Fast	38	--	--	105.00	37.08	--	44.04	13.03	199.15

Scribing and back-painting, vertical, heights from 9'0" to 13'0" (1.6 High Time Difficulty Factor included)

Five point tool scribing (edge scraping)

Slow	19	--	--	132.65	31.83	--	31.25	31.32	227.05
Medium	25	--	--	130.02	37.55	--	41.90	25.14	234.61
Fast	31	--	--	128.71	45.43	--	53.98	15.97	244.09

Scribing and back-painting, vertical, heights from 13'0" to 17'0" (1.9 High Time Difficulty Factor included)

Five point tool scribing (edge scraping)

Slow	16	--	--	160.63	38.56	--	37.84	37.92	274.95
Medium	21	--	--	155.95	45.05	--	50.26	30.15	281.41
Fast	26	--	--	153.46	54.15	--	64.37	19.04	291.02

Scribing and back-painting, vertical, heights from 17'0" to 19'0" (2.2 High Time Difficulty Factor included)

Five point tool scribing (edge scraping)

Slow	14	--	--	183.57	44.08	--	43.25	43.34	314.24
Medium	18	--	--	181.94	52.58	--	58.63	35.18	328.33
Fast	23	--	--	173.48	61.23	--	72.76	21.52	328.99

Scribing and back-painting, vertical, heights from 19'0" to 21'0" (2.5 High Time Difficulty Factor included)

Five point tool scribing (edge scraping)

Slow	12	--	--	207.26	49.77	--	48.83	48.93	354.79
Medium	16	--	--	203.16	58.67	--	65.47	39.28	366.58
Fast	20	--	--	201.11	70.95	--	84.35	24.95	381.36

Use these figures in combination with the cutting-in figures to achieve a clean edge on textured surfaces prior to the cutting-in operation. Scribing or edge scraping by hand with a five point tool, then back-painting, is common and necessary where medium to heavy texture has been applied to vertical walls, horizontal ceilings, etc., in preparation for cutting-in at walls and ceilings where different colors or different sheens (i.e. flat vs. semi-gloss) are used on the adjacent surfaces. For example, assume a medium or heavy texture has been applied to the walls and ceiling - the ceiling is painted white and the walls painted an earth tone color. The first step is to scrape or scribe the texture off the wall, down to the drywall tape (approximately 5/16" to 1/2" from the ceiling), to create a smooth surface for cutting-in. Then, the white ceiling color would be painted back (back-painted) on the wall and ceiling where the texture was removed. Now, with this surface smooth and repainted, cut-in the earth tone wall color to the ceiling. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. "Slow" applies to residential repaints with heavy texture. "Medium" applies to residential or commercial repaints with light-to-medium texture. "Fast" applies to new construction with a light textured surface.

**Notes:**

- 1 - Material consumption for back-painting is minimal or zero (0) since the material cost is actually calculated in the wall painting or ceiling painting line item.
- 2 - High Time Difficulty Factors are built into these figures to allow for up and down time and moving ladders or scaffolding.
- 3 - Horizontal scribing is typically more difficult and consumes more time than vertical scribing, as the figures indicate.
- 4 - In new construction, it's best to have the drywall texture applicators scribe the edges where different colors occur while the texture is still wet, thus eliminating this painting operation.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Strip, remove, or bleach</b>									
Remove wallcover by hand									
Slow	50	--	--	51.40	12.34	--	12.11	12.14	87.99
Medium	70	--	--	46.79	13.53	--	15.08	9.05	84.45
Fast	90	--	--	44.33	15.64	--	18.59	5.50	84.06
Stripping flat, vertical, varnished surfaces									
Light duty liquid remover (material #43)									
Slow	25	175	61.70	102.80	24.68	35.26	30.92	30.98	224.64
Medium	35	158	54.00	93.57	27.02	34.18	38.70	23.22	216.69
Fast	45	140	46.30	88.67	31.27	33.07	47.44	14.03	214.48
Heavy duty liquid remover (material #44)									
Slow	20	150	90.70	128.50	30.85	60.47	41.76	41.85	303.43
Medium	30	138	79.40	109.17	31.52	57.54	49.57	29.74	277.54
Fast	40	125	68.00	99.75	35.20	54.40	58.70	17.36	265.41
Stripping flat, horizontal floor surfaces									
Paint removal with light duty liquid remover (material #43)									
Slow	20	180	61.70	128.50	30.85	34.28	36.79	36.87	267.29
Medium	30	175	54.00	109.17	31.52	30.86	42.90	25.74	240.19
Fast	40	170	46.30	99.75	35.20	27.24	50.28	14.87	227.34

## National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Paint removal with heavy duty liquid remover (material #44)									
Slow	15	170	90.70	171.33	41.15	53.35	50.50	50.61	366.94
Medium	25	160	79.40	131.00	37.84	49.63	54.62	32.77	305.86
Fast	35	150	68.00	114.00	40.22	45.33	61.87	18.30	279.72
Varnish removal with light duty liquid remover (material #43)									
Slow	30	185	61.70	85.67	20.55	33.35	26.52	26.58	192.67
Medium	40	180	54.00	81.88	23.65	30.00	33.89	20.33	189.75
Fast	50	175	46.30	79.80	28.16	26.46	41.67	12.33	188.42
Varnish removal with heavy duty liquid remover (material #44)									
Slow	25	180	90.70	102.80	24.68	50.39	33.79	33.86	245.52
Medium	35	170	79.40	93.57	27.02	46.71	41.83	25.10	234.23
Fast	45	160	68.00	88.67	31.27	42.50	50.37	14.90	227.71

All widths less than 12", consider as 1 square foot per linear foot. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Tape gypsum wallboard</b>									
Preparation									
Bead, spot nail heads & sand									
Slow	85	--	--	30.24	7.24	--	7.13	7.14	51.75
Medium	100	--	--	32.75	9.46	--	10.55	6.33	59.09
Fast	115	--	--	34.70	12.26	--	14.55	4.31	65.82
Taping									
Hand operation									
Slow	125	--	--	20.56	4.94	--	4.84	4.85	35.19
Medium	150	--	--	21.83	6.32	--	7.04	4.22	39.41
Fast	175	--	--	22.80	8.02	--	9.56	2.83	43.21
Mechanical tools									
Slow	200	--	--	12.85	3.09	--	3.03	3.03	22.00
Medium	225	--	--	14.56	4.18	--	4.69	2.82	26.25
Fast	250	--	--	15.96	5.63	--	6.69	1.98	30.26
Joint cement (premixed) per 75 lb bag									
Slow	--	650	10.00	--	--	1.54	--	--	1.54
Medium	--	600	10.00	--	--	1.67	--	--	1.67
Fast	--	550	10.00	--	--	1.82	--	--	1.82

For heights above 8 feet, use the High Time Difficulty Factors on page 139.

## Unstick windows

On repaint jobs, test all windows during your estimating walk-through and allow approximately 15 minutes (.25 hours) for each stuck window. But don't price yourself out of the job with this extra time.



*Preparation Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Wash</b>									
Interior flatwall (smooth surfaces)									
Wash only									
Slow	175	--	--	14.69	3.51	--	3.46	3.47	25.13
Medium	200	--	--	16.38	4.73	--	5.28	3.17	29.56
Fast	225	--	--	17.73	6.24	--	7.44	2.20	33.61
Wash & touchup									
Slow	135	--	--	19.04	4.58	--	4.49	4.50	32.61
Medium	160	--	--	20.47	5.91	--	6.60	3.96	36.94
Fast	185	--	--	21.57	7.63	--	9.05	2.68	40.93
Interior flatwall (rough surfaces)									
Wash only									
Slow	125	--	--	20.56	4.94	--	4.84	4.85	35.19
Medium	150	--	--	21.83	6.32	--	7.04	4.22	39.41
Fast	175	--	--	22.80	8.02	--	9.56	2.83	43.21
Wash & touchup									
Slow	55	--	--	46.73	11.21	--	11.01	11.03	79.98
Medium	95	--	--	34.47	9.98	--	11.11	6.66	62.22
Fast	135	--	--	29.56	10.44	--	12.40	3.67	56.07
Interior enamel (wall surfaces)									
Wash only									
Slow	190	--	--	13.53	3.23	--	3.19	3.20	23.15
Medium	215	--	--	15.23	4.40	--	4.91	2.94	27.48
Fast	240	--	--	16.63	5.88	--	6.98	2.06	31.55
Wash & touchup									
Slow	85	--	--	30.24	7.24	--	7.13	7.14	51.75
Medium	113	--	--	28.98	8.38	--	9.34	5.60	52.30
Fast	140	--	--	28.50	10.04	--	11.95	3.54	54.03
Interior enamel trim									
Wash only									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	150	--	--	21.83	6.32	--	7.04	4.22	39.41
Fast	200	--	--	19.95	7.04	--	8.37	2.48	37.84
Wash & touchup									
Slow	90	--	--	28.56	6.85	--	6.73	6.74	48.88
Medium	120	--	--	27.29	7.87	--	8.80	5.28	49.24
Fast	150	--	--	26.60	9.40	--	11.16	3.30	50.46

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Interior varnish trim									
Wash only									
Slow	150	--	--	17.13	4.13	--	4.04	4.04	29.34
Medium	195	--	--	16.79	4.86	--	5.41	3.25	30.31
Fast	240	--	--	16.63	5.88	--	6.98	2.06	31.55
Wash & touchup									
Slow	120	--	--	21.42	5.13	--	5.05	5.06	36.66
Medium	140	--	--	23.39	6.75	--	7.54	4.52	42.20
Fast	160	--	--	24.94	8.80	--	10.46	3.09	47.29
Interior varnish floors									
Wash only									
Slow	160	--	--	16.06	3.86	--	3.78	3.79	27.49
Medium	210	--	--	15.60	4.49	--	5.03	3.02	28.14
Fast	260	--	--	15.35	5.43	--	6.44	1.90	29.12
Wash & touchup									
Slow	130	--	--	19.77	4.74	--	4.66	4.67	33.84
Medium	153	--	--	21.41	6.20	--	6.90	4.14	38.65
Fast	175	--	--	22.80	8.02	--	9.56	2.83	43.21
Interior plaster (smooth)									
Wash only									
Slow	150	--	--	17.13	4.13	--	4.04	4.04	29.34
Medium	175	--	--	18.71	5.39	--	6.03	3.62	33.75
Fast	200	--	--	19.95	7.04	--	8.37	2.48	37.84
Wash & touchup									
Slow	125	--	--	20.56	4.94	--	4.84	4.85	35.19
Medium	140	--	--	23.39	6.75	--	7.54	4.52	42.20
Fast	155	--	--	25.74	9.08	--	10.80	3.19	48.81
Interior plaster (sand finish)									
Wash only									
Slow	110	--	--	23.36	5.61	--	5.50	5.52	39.99
Medium	135	--	--	24.26	7.02	--	7.82	4.69	43.79
Fast	160	--	--	24.94	8.80	--	10.46	3.09	47.29
Wash & touchup									
Slow	85	--	--	30.24	7.24	--	7.13	7.14	51.75
Medium	110	--	--	29.77	8.60	--	9.59	5.76	53.72
Fast	140	--	--	28.50	10.04	--	11.95	3.54	54.03

Because the type of surface and type of material being removed will alter rates, it is best to wash surfaces with calcium deposits, excess debris or other unusual surface markings on a Time and Material or a Cost Plus Fee basis at a pre-set hourly rate. Consider all trim which is less than 12" wide to be 12" wide and figured as 1 square foot per linear foot. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*Preparation Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Waterblast (Power wash)</b>									
Power wash									
Slow	700	--	--	3.67	.89	--	.86	.87	6.29
Medium	1000	--	--	3.28	.94	--	1.06	.63	5.91
Fast	1500	--	--	2.66	.96	--	1.12	.33	5.07

Power wash to clean surfaces prior to painting and to remove deteriorated, cracked, flaking paint from accessible wood, concrete, brick, block, plaster or stucco surfaces. Use the above rates for larger jobs, such as apartments or commercial buildings and large homes. For heights above 8 feet, use the High Time Difficulty Factors on page 139. For average-sized single-family homes, a half-day minimum might apply for move on, set up, power wash, clean up and move off. Rates assume a 1/4" diameter nozzle with 2500 lbs. pressure. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/roll	Material cost per roll	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Window protection (visqueen, 1.5 mil)</b>									
Window protection - visqueen (material #47)									
Hand application									
Slow	90	2400	62.00	28.56	6.85	2.58	7.22	7.23	52.44
Medium	100	2400	54.30	32.75	9.46	2.26	11.12	6.67	62.26
Fast	110	2400	46.50	36.27	12.80	1.94	15.81	4.68	71.50

Masking tape is included in the sundry (15%) and escalation (10%) allowances within the material pricing columns in Figure 9. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Wire brush</b>									
Surface area basis - large projects & surface areas									
Pipe up to 12" O/D									
Slow	50	--	--	51.40	12.34	--	12.11	12.14	87.99
Medium	75	--	--	43.67	12.60	--	14.07	8.44	78.78
Fast	100	--	--	39.90	14.08	--	16.73	4.95	75.66
Structural steel									
Sizes up to 2 SF/LF									
Slow	90	--	--	28.56	6.85	--	6.73	6.74	48.88
Medium	110	--	--	29.77	8.60	--	9.59	5.76	53.72
Fast	125	--	--	31.92	11.26	--	13.39	3.96	60.53
Sizes from 2 to 5 SF/LF									
Slow	100	--	--	25.70	6.17	--	6.06	6.07	44.00
Medium	120	--	--	27.29	7.87	--	8.80	5.28	49.24
Fast	140	--	--	28.50	10.04	--	11.95	3.54	54.03
Sizes over 5 SF/LF									
Slow	110	--	--	23.36	5.61	--	5.50	5.52	39.99
Medium	130	--	--	25.19	7.27	--	8.12	4.87	45.45
Fast	150	--	--	26.60	9.40	--	11.16	3.30	50.46
Tanks and vessels									
Sizes up to 12'0" O/D									
Slow	110	--	--	23.36	5.61	--	5.50	5.52	39.99
Medium	130	--	--	25.19	7.27	--	8.12	4.87	45.45
Fast	150	--	--	26.60	9.40	--	11.16	3.30	50.46
Sizes over 12'0" O/D									
Slow	120	--	--	21.42	5.13	--	5.05	5.06	36.66
Medium	140	--	--	23.39	6.75	--	7.54	4.52	42.20
Fast	160	--	--	24.94	8.80	--	10.46	3.09	47.29

For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

# Part III

- INDUSTRIAL
- INSTITUTIONAL
- HEAVY COMMERCIAL

## Painting COSTS

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Conduit, electric, brush application</b>									
Acid wash coat, muriatic acid (material #49)									
Brush each coat									
Slow	60	700	52.30	42.83	10.30	7.47	11.51	11.53	83.64
Medium	80	650	45.70	40.94	11.82	7.03	14.95	8.97	83.71
Fast	100	600	39.20	39.90	14.08	6.53	18.76	5.55	84.82
Metal primer, rust inhibitor - clean metal (material #35)									
Brush prime coat									
Slow	60	450	75.10	42.83	10.30	16.69	13.26	13.29	96.37
Medium	80	425	65.70	40.94	11.82	15.46	17.06	10.23	95.51
Fast	100	400	56.30	39.90	14.08	14.08	21.10	6.24	95.40
Metal primer, rust inhibitor - rusty metal (material #36)									
Brush prime coat									
Slow	60	400	95.10	42.83	10.30	23.78	14.61	14.64	106.16
Medium	80	375	83.20	40.94	11.82	22.19	18.74	11.24	104.93
Fast	100	350	71.30	39.90	14.08	20.37	23.05	6.82	104.22
Industrial enamel, oil base, high gloss - light colors (material #56)									
Brush 1st or additional finish coats									
Slow	100	450	179.60	25.70	6.17	39.91	13.64	13.67	99.09
Medium	125	425	157.20	26.20	7.57	36.99	17.69	10.61	99.06
Fast	150	400	134.70	26.60	9.40	33.68	21.60	6.39	97.67
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Brush 1st or additional finish coats									
Slow	100	500	202.00	25.70	6.17	40.40	13.73	13.76	99.76
Medium	125	475	176.70	26.20	7.57	37.20	17.74	10.65	99.36
Fast	150	450	151.50	26.60	9.40	33.67	21.59	6.39	97.65
Epoxy coating, 2 part system - clear (material #51)									
Brush 1st coat									
Slow	60	425	263.80	42.83	10.30	62.07	21.88	21.93	159.01
Medium	80	400	230.80	40.94	11.82	57.70	27.62	16.57	154.65
Fast	100	375	197.90	39.90	14.08	52.77	33.09	9.79	149.63
Brush 2nd or additional finish coats									
Slow	100	475	263.80	25.70	6.17	55.54	16.61	16.64	120.66
Medium	125	450	230.80	26.20	7.57	51.29	21.27	12.76	119.09
Fast	150	425	197.90	26.60	9.40	46.56	25.59	7.57	115.72

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	60	425	255.10	42.83	10.30	60.02	21.49	21.54	156.18
Medium	80	400	223.20	40.94	11.82	55.80	27.14	16.29	151.99
Fast	100	375	191.30	39.90	14.08	51.01	32.55	9.63	147.17
Brush 2nd or additional finish coats									
Slow	100	475	255.10	25.70	6.17	53.71	16.26	16.29	118.13
Medium	125	450	223.20	26.20	7.57	49.60	20.84	12.51	116.72
Fast	150	425	191.30	26.60	9.40	45.01	25.11	7.43	113.55

This table is based on square feet of conduit surface area. See Figure 21 on page 325 to convert from linear feet of various conduit or pipe sizes to square feet of surface area. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Conduit, electric, roll application</b>									
Acid wash coat, muriatic acid (material #49)									
Roll each coat									
Slow	175	700	52.30	14.69	3.51	7.47	4.88	4.89	35.44
Medium	200	650	45.70	16.38	4.73	7.03	7.04	4.22	39.40
Fast	225	600	39.20	17.73	6.24	6.53	9.46	2.80	42.76
Metal primer, rust inhibitor - clean metal (material #35)									
Roll prime coat									
Slow	175	425	75.10	14.69	3.51	17.67	6.82	6.83	49.52
Medium	200	400	65.70	16.38	4.73	16.43	9.39	5.63	52.56
Fast	225	375	56.30	17.73	6.24	15.01	12.09	3.58	54.65
Metal primer, rust inhibitor - rusty metal (material #36)									
Roll prime coat									
Slow	175	375	95.10	14.69	3.51	25.36	8.28	8.30	60.14
Medium	200	350	83.20	16.38	4.73	23.77	11.22	6.73	62.83
Fast	225	325	71.30	17.73	6.24	21.94	14.24	4.21	64.36
Industrial enamel, oil base, high gloss - light colors (material #56)									
Roll 1st or additional finish coats									
Slow	225	425	179.60	11.42	2.73	42.26	10.72	10.74	77.87
Medium	250	400	157.20	13.10	3.78	39.30	14.05	8.43	78.66
Fast	275	375	134.70	14.51	5.14	35.92	17.22	5.09	77.88
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Roll 1st or additional finish coats									
Slow	225	475	202.00	11.42	2.73	42.53	10.77	10.79	78.24
Medium	250	450	176.70	13.10	3.78	39.27	14.04	8.42	78.61
Fast	275	425	151.50	14.51	5.14	35.65	17.14	5.07	77.51
Epoxy coating, 2 part system - clear (material #51)									
Roll 1st coat									
Slow	175	400	263.80	14.69	3.51	65.95	15.99	16.03	116.17
Medium	200	375	230.80	16.38	4.73	61.55	20.67	12.40	115.73
Fast	225	350	197.90	17.73	6.24	56.54	24.96	7.38	112.85
Roll 2nd or additional finish coats									
Slow	225	450	263.80	11.42	2.73	58.62	13.83	13.86	100.46
Medium	250	425	230.80	13.10	3.78	54.31	17.80	10.68	99.67
Fast	275	400	197.90	14.51	5.14	49.48	21.42	6.34	96.89



*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	175	400	255.10	14.69	3.51	63.78	15.58	15.61	113.17
Medium	200	375	223.20	16.38	4.73	59.52	20.16	12.09	112.88
Fast	225	350	191.30	17.73	6.24	54.66	24.38	7.21	110.22
Roll 2nd or additional finish coats									
Slow	225	450	255.10	11.42	2.73	56.69	13.46	13.49	97.79
Medium	250	425	223.20	13.10	3.78	52.52	17.35	10.41	97.16
Fast	275	400	191.30	14.51	5.14	47.83	20.91	6.19	94.58

This table is based on square feet of conduit surface area. See Figure 21 on page 325 to convert from linear feet of various conduit or pipe sizes to square feet of surface area. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Conduit, electric, spray application</b>									
Acid wash coat, muriatic acid (material #49)									
Spray each coat									
Slow	350	350	52.30	7.34	1.77	14.94	4.57	4.58	33.20
Medium	400	325	45.70	8.19	2.36	14.06	6.16	3.69	34.46
Fast	450	300	39.20	8.87	3.11	13.07	7.77	2.30	35.12
Metal primer, rust inhibitor - clean metal (material #35)									
Spray prime coat									
Slow	350	275	75.10	7.34	1.77	27.31	6.92	6.93	50.27
Medium	400	263	65.70	8.19	2.36	24.98	8.89	5.33	49.75
Fast	450	250	56.30	8.87	3.11	22.52	10.70	3.17	48.37
Metal primer, rust inhibitor - rusty metal (material #36)									
Spray prime coat									
Slow	350	225	95.10	7.34	1.77	42.27	9.76	9.78	70.92
Medium	400	213	83.20	8.19	2.36	39.06	12.41	7.44	69.46
Fast	450	200	71.30	8.87	3.11	35.65	14.77	4.37	66.77
Industrial enamel, oil base, high gloss - light colors (material #56)									
Spray 1st or additional finish coats									
Slow	450	275	179.60	5.71	1.37	65.31	13.75	13.78	99.92
Medium	500	263	157.20	6.55	1.89	59.77	17.05	10.23	95.49
Fast	550	250	134.70	7.25	2.57	53.88	19.74	5.84	89.28
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	450	300	202.00	5.71	1.37	67.33	14.14	14.17	102.72
Medium	500	288	176.70	6.55	1.89	61.35	17.45	10.47	97.71
Fast	550	275	151.50	7.25	2.57	55.09	20.12	5.95	90.98
Epoxy coating, 2 part system - clear (material #51)									
Spray 1st coat									
Slow	350	250	263.80	7.34	1.77	105.52	21.78	21.82	158.23
Medium	400	238	230.80	8.19	2.36	96.97	26.88	16.13	150.53
Fast	450	225	197.90	8.87	3.11	87.96	30.99	9.17	140.10
Spray 2nd or additional finish coats									
Slow	450	285	263.80	5.71	1.37	92.56	18.93	18.97	137.54
Medium	500	273	230.80	6.55	1.89	84.54	23.25	13.95	130.18
Fast	550	260	197.90	7.25	2.57	76.12	26.64	7.88	120.46

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Spray 1st coat									
Slow	350	250	255.10	7.34	1.77	102.04	21.12	21.16	153.43
Medium	400	238	223.20	8.19	2.36	93.78	26.09	15.65	146.07
Fast	450	225	191.30	8.87	3.11	85.02	30.08	8.90	135.98
Spray 2nd or additional finish coats									
Slow	450	285	255.10	5.71	1.37	89.51	18.35	18.39	133.33
Medium	500	273	223.20	6.55	1.89	81.76	22.55	13.53	126.28
Fast	550	260	191.30	7.25	2.57	73.58	25.85	7.65	116.90

This table is based on square feet of conduit surface area. See Figure 21 on page 325 to convert from linear feet of various conduit or pipe sizes to square feet of surface area. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Conduit, electric, mitt or glove application</b>									
Acid wash coat, muriatic acid (material #49)									
Mitt or glove each coat									
Slow	175	700	52.30	14.69	3.51	7.47	4.88	4.89	35.44
Medium	200	650	45.70	16.38	4.73	7.03	7.04	4.22	39.40
Fast	225	600	39.20	17.73	6.24	6.53	9.46	2.80	42.76
Metal primer, rust inhibitor - clean metal (material #35)									
Mitt or glove prime coat									
Slow	175	450	75.10	14.69	3.51	16.69	6.63	6.65	48.17
Medium	200	438	65.70	16.38	4.73	15.00	9.03	5.42	50.56
Fast	225	425	56.30	17.73	6.24	13.25	11.54	3.41	52.17
Metal primer, rust inhibitor - rusty metal (material #36)									
Mitt or glove prime coat									
Slow	175	400	95.10	14.69	3.51	23.78	7.98	8.00	57.96
Medium	200	388	83.20	16.38	4.73	21.44	10.64	6.38	59.57
Fast	225	375	71.30	17.73	6.24	19.01	13.33	3.94	60.25
Industrial enamel, oil base, high gloss - light colors (material #56)									
Mitt or glove 1st or additional finish coats									
Slow	225	450	179.60	11.42	2.73	39.91	10.27	10.29	74.62
Medium	250	438	157.20	13.10	3.78	35.89	13.20	7.92	73.89
Fast	275	425	134.70	14.51	5.14	31.69	15.91	4.71	71.96
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Mitt or glove 1st or additional finish coats									
Slow	225	500	202.00	11.42	2.73	40.40	10.37	10.39	75.31
Medium	250	488	176.70	13.10	3.78	36.21	13.28	7.97	74.34
Fast	275	475	151.50	14.51	5.14	31.89	15.97	4.72	72.23
Epoxy coating, 2 part system - clear (material #51)									
Mitt or glove 1st coat									
Slow	175	425	263.80	14.69	3.51	62.07	15.26	15.29	110.82
Medium	200	413	230.80	16.38	4.73	55.88	19.25	11.55	107.79
Fast	225	400	197.90	17.73	6.24	49.48	22.78	6.74	102.97
Mitt or glove 2nd or additional finish coats									
Slow	225	475	263.80	11.42	2.73	55.54	13.24	13.27	96.20
Medium	250	463	230.80	13.10	3.78	49.85	16.69	10.01	93.43
Fast	275	450	197.90	14.51	5.14	43.98	19.72	5.83	89.18

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Epoxy coating, 2 part system - white (material #52)</b>									
<b>Mitt or glove 1st coat</b>									
Slow	175	425	255.10	14.69	3.51	60.02	14.87	14.90	107.99
Medium	200	413	223.20	16.38	4.73	54.04	18.79	11.27	105.21
Fast	225	400	191.30	17.73	6.24	47.83	22.26	6.59	100.65
<b>Mitt or glove 2nd or additional finish coats</b>									
Slow	225	475	255.10	11.42	2.73	53.71	12.90	12.92	93.68
Medium	250	463	223.20	13.10	3.78	48.21	16.28	9.77	91.14
Fast	275	450	191.30	14.51	5.14	42.51	19.26	5.70	87.12

This table is based on square feet of conduit surface area. See Figure 21 below to convert from linear feet of various conduit or pipe sizes to square feet of surface area. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

Pipe O/D (inches)	Conversion Factor (SF per measured LF)
1" to 3"	1 SF for each 1 LF
4" to 7"	2 SF for each 1 LF
8" to 11"	3 SF for each 1 LF
12" to 15"	4 SF for each 1 LF
16" to 19"	5 SF for each 1 LF
20" to 22"	6 SF for each 1 LF
23" to 26"	7 SF for each 1 LF
27" to 30"	8 SF for each 1 LF

**Figure 21**  
Conduit/pipe area conversions

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Decking and siding, metal, corrugated metal</b>									
Acid wash coat, muriatic acid (material #49)									
Spray each coat									
Slow	700	500	52.30	3.67	.89	10.46	2.85	2.86	20.73
Medium	750	450	45.70	4.37	1.24	10.16	3.95	2.37	22.09
Fast	800	400	39.20	4.99	1.76	9.80	5.13	1.52	23.20
Metal primer, rust inhibitor - clean metal (material #35)									
Spray prime coat									
Slow	700	325	75.10	3.67	.89	23.11	5.26	5.27	38.20
Medium	750	300	65.70	4.37	1.24	21.90	6.88	4.13	38.52
Fast	800	275	56.30	4.99	1.76	20.47	8.44	2.50	38.16
Metal primer, rust inhibitor - rusty metal (material #36)									
Spray prime coat									
Slow	700	275	95.10	3.67	.89	34.58	7.43	7.45	54.02
Medium	750	250	83.20	4.37	1.24	33.28	9.73	5.84	54.46
Fast	800	225	71.30	4.99	1.76	31.69	11.92	3.53	53.89
Industrial enamel, oil base, high gloss - light colors (material #56)									
Spray 1st or additional finish coats									
Slow	850	325	179.60	3.02	.74	55.26	11.21	11.23	81.46
Medium	900	300	157.20	3.64	1.05	52.40	14.27	8.56	79.92
Fast	950	275	134.70	4.20	1.47	48.98	16.94	5.01	76.60
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	850	425	202.00	3.02	.74	47.53	9.74	9.76	70.79
Medium	900	400	176.70	3.64	1.05	44.18	12.22	7.33	68.42
Fast	950	375	151.50	4.20	1.47	40.40	14.28	4.23	64.58
Epoxy coating, 2 part system - clear (material #51)									
Spray 1st coat									
Slow	700	300	263.80	3.67	.89	87.93	17.57	17.61	127.67
Medium	750	275	230.80	4.37	1.24	83.93	22.39	13.43	125.36
Fast	800	250	197.90	4.99	1.76	79.16	26.63	7.88	120.42
Spray 2nd or additional finish coats									
Slow	850	400	263.80	3.02	.74	65.95	13.24	13.27	96.22
Medium	900	375	230.80	3.64	1.05	61.55	16.56	9.94	92.74
Fast	950	350	197.90	4.20	1.47	56.54	19.29	5.71	87.21

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Spray 1st coat									
Slow	700	300	255.10	3.67	.89	85.03	17.02	17.06	123.67
Medium	750	275	223.20	4.37	1.24	81.16	21.70	13.02	121.49
Fast	800	250	191.30	4.99	1.76	76.52	25.81	7.64	116.72
Spray 2nd or additional finish coats									
Slow	850	400	255.10	3.02	.74	63.78	12.83	12.86	93.23
Medium	900	375	223.20	3.64	1.05	59.52	16.05	9.63	89.89
Fast	950	350	191.30	4.20	1.47	54.66	18.71	5.53	84.57

The figures in the table above are based on overall dimensions (length times width). But all decking and siding has corrugations, peaks and valleys that increase the surface that has to be painted. For example, corrugated siding with 2-1/2" center to center corrugations has a surface area 10% greater than the width times length dimension. For corrugated siding with 1-1/4" center to center corrugations, increase the surface area by 15%. For square corner decking, Figure 22 below shows how much area must be added to allow for peaks and valleys. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

<b>C</b>	<b>2C</b>	<b>D</b>	<b>PW</b>	<b>VW</b>	<b>Factor</b>
--	12"	4-1/2"	3"	2"	2.50
--	12"	1-1/2"	3-1/8"	2"	1.50
--	12"	1-1/2"	5-1/16"	1"	1.45
12"	--	3"	9-5/8"	1"	1.50
12"	--	4-1/2"	9-5/8"	1"	1.75
24"	--	4-1/2"	12"	12"	1.60
24"	--	6"	12"	12"	1.75
24"	--	8"	12"	12"	1.95

For square corner decking, calculate the overall (length times width) deck area. Then measure the peaks and valleys on the deck. Select the row in the table above that most nearly matches the deck you're painting. Multiply the overall deck area by the number listed in the column headed "factor" to find the actual area you're painting. Use this actual area when calculating labor and material requirements. In the table above, figures in the column headed C show the distance between the center of the peaks. Column 2C shows the distance between every second center of peak (2 centers). Column D shows the depth of corrugation. Column PW shows the peak width. Column VW shows the valley width. If the deck you're painting doesn't match any deck listed in this table, use the factor for the most similar deck in the table.

**Figure 22**  
Square corner decking factors

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Decking and siding, metal, flat pan metal</b>									
Acid wash coat, muriatic acid (material #49)									
Spray each coat									
Slow	800	600	52.30	3.21	.77	8.72	2.41	2.42	17.53
Medium	850	550	45.70	3.85	1.13	8.31	3.32	1.99	18.60
Fast	900	500	39.20	4.43	1.56	7.84	4.29	1.27	19.39
Metal primer, rust inhibitor - clean metal (material #35)									
Spray prime coat									
Slow	800	375	75.10	3.21	.77	20.03	4.56	4.57	33.14
Medium	850	350	65.70	3.85	1.13	18.77	5.93	3.56	33.24
Fast	900	325	56.30	4.43	1.56	17.32	7.23	2.14	32.68
Metal primer, rust inhibitor - rusty metal (material #36)									
Spray prime coat									
Slow	800	300	95.10	3.21	.77	31.70	6.78	6.79	49.25
Medium	850	275	83.20	3.85	1.13	30.25	8.80	5.28	49.31
Fast	900	250	71.30	4.43	1.56	28.52	10.70	3.16	48.37
Industrial enamel, oil base, high gloss - light colors (material #56)									
Spray 1st or additional finish coats									
Slow	1000	375	179.60	2.57	.62	47.89	9.71	9.73	70.52
Medium	1050	350	157.20	3.12	.89	44.91	12.23	7.34	68.49
Fast	1100	325	134.70	3.63	1.28	41.45	14.37	4.25	64.98
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	1000	425	202.00	2.57	.62	47.53	9.64	9.66	70.02
Medium	1050	400	176.70	3.12	.89	44.18	12.05	7.23	67.47
Fast	1100	375	151.50	3.63	1.28	40.40	14.05	4.16	63.52
Epoxy coating, 2 part system - clear (material #51)									
Spray 1st coat									
Slow	800	350	263.80	3.21	.77	75.37	15.08	15.11	109.54
Medium	850	325	230.80	3.85	1.13	71.02	19.00	11.40	106.40
Fast	900	300	197.90	4.43	1.56	65.97	22.31	6.60	100.87
Spray 2nd or additional finish coats									
Slow	1000	400	263.80	2.57	.62	65.95	13.14	13.16	95.44
Medium	1050	375	230.80	3.12	.89	61.55	16.39	9.84	91.79
Fast	1100	350	197.90	3.63	1.28	56.54	19.05	5.64	86.14



*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Spray 1st coat									
Slow	800	350	255.10	3.21	.77	72.89	14.61	14.64	106.12
Medium	850	325	223.20	3.85	1.13	68.68	18.41	11.05	103.12
Fast	900	300	191.30	4.43	1.56	63.77	21.63	6.40	97.79
Spray 2nd or additional coats									
Slow	1000	400	255.10	2.57	.62	63.78	12.72	12.75	92.44
Medium	1050	375	223.20	3.12	.89	59.52	15.89	9.53	88.95
Fast	1100	350	191.30	3.63	1.28	54.66	18.47	5.46	83.50

The figures in the table above are based on overall dimensions (length times width). But all decking and siding has corrugations, peaks and valleys that increase the surface that has to be painted. For example, corrugated siding with 2-1/2" center to center corrugations has a surface area 10% greater than the width times length dimension. For corrugated siding with 1-1/4" center to center corrugations, increase the surface area by 15%. For square corner decking, Figure 22 on page 327 shows how much area must be added to allow for peaks and valleys. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Doors, hollow metal, brush application, square foot basis</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Roll and brush prime coat									
Slow	160	450	75.10	16.06	3.86	16.69	6.95	6.97	50.53
Medium	180	438	65.70	18.19	5.28	15.00	9.61	5.77	53.85
Fast	200	425	56.30	19.95	7.04	13.25	12.47	3.69	56.40
Metal primer, rust inhibitor - rusty metal (material #36)									
Roll and brush prime coat									
Slow	160	425	95.10	16.06	3.86	22.38	8.04	8.05	58.39
Medium	180	413	83.20	18.19	5.28	20.15	10.90	6.54	61.06
Fast	200	400	71.30	19.95	7.04	17.83	13.89	4.11	62.82
Metal finish - synthetic enamel, gloss, interior or exterior - off white (material #37)									
Roll and brush 1st or additional finish coats									
Slow	175	450	78.60	14.69	3.51	17.47	6.78	6.80	49.25
Medium	195	438	68.80	16.79	4.86	15.71	9.34	5.60	52.30
Fast	215	425	59.00	18.56	6.54	13.88	12.09	3.58	54.65
Metal finish - synthetic enamel, gloss, interior or exterior - colors, except orange & red (material #38)									
Roll and brush 1st or additional finish coats									
Slow	175	475	75.70	14.69	3.51	15.94	6.49	6.50	47.13
Medium	195	463	66.20	16.79	4.86	14.30	8.99	5.39	50.33
Fast	215	450	56.70	18.56	6.54	12.60	11.69	3.46	52.85

To calculate the cost per door, figure the square feet for each side based on a 3 x 7 door. Add 3 feet to the width and 1 foot to the top of the door to allow for the time and material necessary to finish the door edges, frame and jamb. The result is a 6 x 8 door or 48 square feet per side, times 2 is 96 square feet per door. The cost per door is simply the 96 square feet times the cost per square foot indicated in the table above. Typically, hollow metal doors are pre-primed by the manufacturer and shipped ready to install and paint. These doors usually require only one coat of finish paint to cover. The metal finish figures include minor touchup of the prime coat. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on exterior metal may result in cracking, peeling or chipping without the proper prime coat application. If off white or other light colored finish paint is specified, make sure the prime coat is a light color also, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ductwork, bare duct, brush application</b>									
Acid wash coat, muriatic acid (material #49)									
Brush each coat									
Slow	80	750	52.30	32.13	7.71	6.97	8.89	8.91	64.61
Medium	100	700	45.70	32.75	9.46	6.53	12.19	7.31	68.24
Fast	120	650	39.20	33.25	11.72	6.03	15.82	4.68	71.50
Metal primer, rust inhibitor - clean metal (material #35)									
Brush prime coat									
Slow	80	400	75.10	32.13	7.71	18.78	11.14	11.16	80.92
Medium	100	375	65.70	32.75	9.46	17.52	14.93	8.96	83.62
Fast	120	350	56.30	33.25	11.72	16.09	18.93	5.60	85.59
Metal primer, rust inhibitor - rusty metal (material #36)									
Brush prime coat									
Slow	80	350	95.10	32.13	7.71	27.17	12.73	12.76	92.50
Medium	100	325	83.20	32.75	9.46	25.60	16.95	10.17	94.93
Fast	120	300	71.30	33.25	11.72	23.77	21.32	6.31	96.37
Industrial enamel, oil base, high gloss - light colors (material #56)									
Brush 1st or additional finish coats									
Slow	90	400	179.60	28.56	6.85	44.90	15.26	15.29	110.86
Medium	115	375	157.20	28.48	8.24	41.92	19.66	11.79	110.09
Fast	140	350	134.70	28.50	10.04	38.49	23.89	7.07	107.99
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Brush 1st or additional finish coats									
Slow	90	450	202.00	28.56	6.85	44.89	15.26	15.29	110.85
Medium	115	425	176.70	28.48	8.24	41.58	19.57	11.74	109.61
Fast	140	400	151.50	28.50	10.04	37.88	23.70	7.01	107.13
Epoxy coating, 2 part system - clear (material #51)									
Brush 1st coat									
Slow	80	350	263.80	32.13	7.71	75.37	21.89	21.94	159.04
Medium	100	325	230.80	32.75	9.46	71.02	28.31	16.98	158.52
Fast	120	300	197.90	33.25	11.72	65.97	34.40	10.18	155.52
Brush 2nd or additional finish coats									
Slow	90	425	263.80	28.56	6.85	62.07	18.52	18.56	134.56
Medium	115	400	230.80	28.48	8.24	57.70	23.60	14.16	132.18
Fast	140	375	197.90	28.50	10.04	52.77	28.31	8.37	127.99

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	80	350	255.10	32.13	7.71	72.89	21.42	21.46	155.61
Medium	100	325	223.20	32.75	9.46	68.68	27.72	16.63	155.24
Fast	120	300	191.30	33.25	11.72	63.77	33.72	9.97	152.43
Brush 2nd or additional finish coats									
Slow	90	425	255.10	28.56	6.85	60.02	18.13	18.17	131.73
Medium	115	400	223.20	28.48	8.24	55.80	23.13	13.88	129.53
Fast	140	375	191.30	28.50	10.04	51.01	27.77	8.21	125.53

For heights over 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ductwork, bare duct, roll application</b>									
Acid wash coat, muriatic acid (material #49)									
Roll each coat									
Slow	225	700	52.30	11.42	2.73	7.47	4.11	4.12	29.85
Medium	250	650	45.70	13.10	3.78	7.03	5.98	3.59	33.48
Fast	275	600	39.20	14.51	5.14	6.53	8.11	2.40	36.69
Metal primer, rust inhibitor - clean metal (material #35)									
Roll prime coat									
Slow	225	375	75.10	11.42	2.73	20.03	6.50	6.51	47.19
Medium	250	350	65.70	13.10	3.78	18.77	8.92	5.35	49.92
Fast	275	325	56.30	14.51	5.14	17.32	11.45	3.39	51.81
Metal primer, rust inhibitor - rusty metal (material #36)									
Roll prime coat									
Slow	225	325	95.10	11.42	2.73	29.26	8.25	8.27	59.93
Medium	250	300	83.20	13.10	3.78	27.73	11.16	6.69	62.46
Fast	275	275	71.30	14.51	5.14	25.93	14.12	4.18	63.88
Industrial enamel, oil base, high gloss - light colors (material #56)									
Roll 1st or additional finish coats									
Slow	275	425	179.60	9.35	2.25	42.26	10.23	10.25	74.34
Medium	300	400	157.20	10.92	3.14	39.30	13.35	8.01	74.72
Fast	325	375	134.70	12.28	4.35	35.92	16.28	4.82	73.65
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Roll 1st or additional finish coats									
Slow	275	475	202.00	9.35	2.25	42.53	10.28	10.30	74.71
Medium	300	450	176.70	10.92	3.14	39.27	13.34	8.00	74.67
Fast	325	425	151.50	12.28	4.35	35.65	16.20	4.79	73.27
Epoxy coating, 2 part system - clear (material #51)									
Roll 1st coat									
Slow	225	350	263.80	11.42	2.73	75.37	17.01	17.05	123.58
Medium	250	325	230.80	13.10	3.78	71.02	21.98	13.19	123.07
Fast	275	300	197.90	14.51	5.14	65.97	26.54	7.85	120.01
Roll 2nd or additional finish coats									
Slow	275	450	263.80	9.35	2.25	58.62	13.34	13.37	96.93
Medium	300	425	230.80	10.92	3.14	54.31	17.10	10.26	95.73
Fast	325	400	197.90	12.28	4.35	49.48	20.49	6.06	92.66

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	225	350	255.10	11.42	2.73	72.89	16.54	16.57	120.15
Medium	250	325	223.20	13.10	3.78	68.68	21.39	12.84	119.79
Fast	275	300	191.30	14.51	5.14	63.77	25.85	7.65	116.92
Roll 2nd or additional finish coats									
Slow	275	450	255.10	9.35	2.25	56.69	12.97	13.00	94.26
Medium	300	425	223.20	10.92	3.14	52.52	16.65	9.99	93.22
Fast	325	400	191.30	12.28	4.35	47.83	19.98	5.91	90.35

For heights over 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ductwork, bare duct, spray application</b>									
Acid wash coat, muriatic acid (material #49)									
Spray each coat									
Slow	550	450	52.30	4.67	1.13	11.62	3.31	3.32	24.05
Medium	600	400	45.70	5.46	1.59	11.43	4.62	2.77	25.87
Fast	650	350	39.20	6.14	2.17	11.20	6.05	1.79	27.35
Metal primer, rust inhibitor - clean metal (material #35)									
Spray prime coat									
Slow	550	250	75.10	4.67	1.13	30.04	6.81	6.82	49.47
Medium	600	225	65.70	5.46	1.59	29.20	9.06	5.44	50.75
Fast	650	200	56.30	6.14	2.17	28.15	11.30	3.34	51.10
Metal primer, rust inhibitor - rusty metal (material #36)									
Spray prime coat									
Slow	550	200	95.10	4.67	1.13	47.55	10.13	10.16	73.64
Medium	600	188	83.20	5.46	1.59	44.26	12.83	7.70	71.84
Fast	650	175	71.30	6.14	2.17	40.74	15.21	4.50	68.76
Industrial enamel, oil base, high gloss - light colors (material #56)									
Spray 1st or additional finish coats									
Slow	700	225	179.60	3.67	.89	79.82	16.03	16.06	116.47
Medium	750	213	157.20	4.37	1.24	73.80	19.86	11.91	111.18
Fast	800	200	134.70	4.99	1.76	67.35	22.97	6.79	103.86
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	700	275	202.00	3.67	.89	73.45	14.82	14.85	107.68
Medium	750	250	176.70	4.37	1.24	70.68	19.08	11.45	106.82
Fast	800	225	151.50	4.99	1.76	67.33	22.96	6.79	103.83
Epoxy coating, 2 part system - clear (material #51)									
Spray 1st coat									
Slow	550	225	263.80	4.67	1.13	117.24	23.38	23.43	169.85
Medium	600	213	230.80	5.46	1.59	108.36	28.85	17.31	161.57
Fast	650	200	197.90	6.14	2.17	98.95	33.25	9.84	150.35
Spray 2nd or additional finish coats									
Slow	700	250	263.80	3.67	.89	105.52	20.91	20.96	151.95
Medium	750	238	230.80	4.37	1.24	96.97	25.65	15.39	143.62
Fast	800	225	197.90	4.99	1.76	87.96	29.36	8.68	132.75

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Spray 1st coat									
Slow	550	225	255.10	4.67	1.13	113.38	22.64	22.69	164.51
Medium	600	213	223.20	5.46	1.59	104.79	27.96	16.77	156.57
Fast	650	200	191.30	6.14	2.17	95.65	32.23	9.53	145.72
Spray 2nd or additional finish coats									
Slow	700	250	255.10	3.67	.89	102.04	20.25	20.29	147.14
Medium	750	238	223.20	4.37	1.24	93.78	24.85	14.91	139.15
Fast	800	225	191.30	4.99	1.76	85.02	28.45	8.42	128.64

For heights over 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ductwork, bare duct, mitt or glove application</b>									
Acid wash coat, muriatic acid (material #49)									
Mitt or glove each coat									
Slow	175	700	52.30	14.69	3.51	7.47	4.88	4.89	35.44
Medium	200	650	45.70	16.38	4.73	7.03	7.04	4.22	39.40
Fast	225	600	39.20	17.73	6.24	6.53	9.46	2.80	42.76
Metal primer, rust inhibitor - clean metal (material #35)									
Mitt or glove prime coat									
Slow	175	400	75.10	14.69	3.51	18.78	7.03	7.04	51.05
Medium	200	388	65.70	16.38	4.73	16.93	9.51	5.71	53.26
Fast	225	375	56.30	17.73	6.24	15.01	12.09	3.58	54.65
Metal primer, rust inhibitor - rusty metal (material #36)									
Mitt or glove prime coat									
Slow	175	400	95.10	14.69	3.51	23.78	7.98	8.00	57.96
Medium	200	350	83.20	16.38	4.73	23.77	11.22	6.73	62.83
Fast	225	325	71.30	17.73	6.24	21.94	14.24	4.21	64.36
Industrial enamel, oil base, high gloss - light colors (material #56)									
Mitt or glove 1st or additional finish coats									
Slow	225	425	179.60	11.42	2.73	42.26	10.72	10.74	77.87
Medium	250	400	157.20	13.10	3.78	39.30	14.05	8.43	78.66
Fast	275	375	134.70	14.51	5.14	35.92	17.22	5.09	77.88
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Mitt or glove 1st or additional finish coats									
Slow	225	475	202.00	11.42	2.73	42.53	10.77	10.79	78.24
Medium	250	450	176.70	13.10	3.78	39.27	14.04	8.42	78.61
Fast	275	425	151.50	14.51	5.14	35.65	17.14	5.07	77.51
Epoxy coating, 2 part system - clear (material #51)									
Mitt or glove 1st coat									
Slow	175	400	263.80	14.69	3.51	65.95	15.99	16.03	116.17
Medium	200	375	230.80	16.38	4.73	61.55	20.67	12.40	115.73
Fast	225	350	197.90	17.73	6.24	56.54	24.96	7.38	112.85
Mitt or glove 2nd or additional finish coats									
Slow	225	425	263.80	11.42	2.73	62.07	14.48	14.51	105.21
Medium	250	400	230.80	13.10	3.78	57.70	18.65	11.19	104.42
Fast	275	375	197.90	14.51	5.14	52.77	22.44	6.64	101.50

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Mitt or glove 1st coat									
Slow	175	400	255.10	14.69	3.51	63.78	15.58	15.61	113.17
Medium	200	375	223.20	16.38	4.73	59.52	20.16	12.09	112.88
Fast	225	350	191.30	17.73	6.24	54.66	24.38	7.21	110.22
Mitt or glove 2nd or additional finish coats									
Slow	225	425	255.10	11.42	2.73	60.02	14.09	14.12	102.38
Medium	250	400	223.20	13.10	3.78	55.80	18.17	10.90	101.75
Fast	275	375	191.30	14.51	5.14	51.01	21.90	6.48	99.04

For heights over 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ductwork, canvas insulated, brush application</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	60	250	50.60	42.83	10.30	20.24	13.94	13.97	101.28
Medium	75	238	44.30	43.67	12.60	18.61	18.73	11.24	104.85
Fast	90	225	38.00	44.33	15.64	16.89	23.83	7.05	107.74
Brush 2nd coat									
Slow	85	275	50.60	30.24	7.24	18.40	10.62	10.64	77.14
Medium	105	250	44.30	31.19	8.99	17.72	14.48	8.69	81.07
Fast	125	238	38.00	31.92	11.26	15.97	18.34	5.43	82.92
Brush 3rd or additional coats									
Slow	100	325	50.60	25.70	6.17	15.57	9.01	9.03	65.48
Medium	125	313	44.30	26.20	7.57	14.15	11.98	7.19	67.09
Fast	150	300	38.00	26.60	9.40	12.67	15.08	4.46	68.21
Sealer, off white, water base (material #1)									
Brush 1 coat									
Slow	60	250	54.70	42.83	10.30	21.88	14.25	14.28	103.54
Medium	75	238	47.80	43.67	12.60	20.08	19.09	11.46	106.90
Fast	90	225	41.00	44.33	15.64	18.22	24.24	7.17	109.60
Sealer, off white, oil base (material #2)									
Brush 1 coat									
Slow	60	275	73.30	42.83	10.30	26.65	15.15	15.19	110.12
Medium	75	263	64.10	43.67	12.60	24.37	20.17	12.10	112.91
Fast	90	250	55.00	44.33	15.64	22.00	25.41	7.52	114.90
Enamel, water base (material #9)									
Brush 1st finish coat									
Slow	85	275	67.00	30.24	7.24	24.36	11.75	11.78	85.37
Medium	105	250	58.60	31.19	8.99	23.44	15.91	9.55	89.08
Fast	125	238	50.20	31.92	11.26	21.09	19.93	5.89	90.09
Brush 2nd or additional finish coats									
Slow	100	325	67.00	25.70	6.17	20.62	9.97	9.99	72.45
Medium	125	313	58.60	26.20	7.57	18.72	13.12	7.87	73.48
Fast	150	300	50.20	26.60	9.40	16.73	16.34	4.83	73.90
Industrial enamel, oil base, high gloss - light colors (material #56)									
Brush 1st finish coat									
Slow	85	300	179.60	30.24	7.24	59.87	18.50	18.54	134.39
Medium	105	288	157.20	31.19	8.99	54.58	23.70	14.22	132.68
Fast	125	275	134.70	31.92	11.26	48.98	28.57	8.45	129.18

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 2nd or additional finish coats									
Slow	100	350	179.60	25.70	6.17	51.31	15.80	15.84	114.82
Medium	125	338	157.20	26.20	7.57	46.51	20.07	12.04	112.39
Fast	150	325	134.70	26.60	9.40	41.45	24.01	7.10	108.56
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Brush 1st finish coat									
Slow	85	300	202.00	30.24	7.24	67.33	19.92	19.96	144.69
Medium	105	288	176.70	31.19	8.99	61.35	25.39	15.23	142.15
Fast	125	275	151.50	31.92	11.26	55.09	30.47	9.01	137.75
Brush 2nd or additional finish coats									
Slow	100	350	202.00	25.70	6.17	57.71	17.02	17.06	123.66
Medium	125	338	176.70	26.20	7.57	52.28	21.51	12.91	120.47
Fast	150	325	151.50	26.60	9.40	46.62	25.61	7.58	115.81
Epoxy coating, 2 part system - clear (material #51)									
Brush 1st coat									
Slow	60	260	263.80	42.83	10.30	101.46	29.37	29.43	213.39
Medium	75	243	230.80	43.67	12.60	94.98	37.82	22.69	211.76
Fast	90	235	197.90	44.33	15.64	84.21	44.70	13.22	202.10
Brush 2nd coat									
Slow	85	285	263.80	30.24	7.24	92.56	24.71	24.76	179.51
Medium	105	273	230.80	31.19	8.99	84.54	31.19	18.71	174.62
Fast	125	260	197.90	31.92	11.26	76.12	36.99	10.94	167.23
Brush 3rd or additional coats									
Slow	100	335	263.80	25.70	6.17	78.75	21.02	21.06	152.70
Medium	125	323	230.80	26.20	7.57	71.46	26.31	15.78	147.32
Fast	150	310	197.90	26.60	9.40	63.84	30.95	9.15	139.94

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Brush 1st coat									
Slow	60	260	255.10	42.83	10.30	98.12	28.73	28.79	208.77
Medium	75	243	223.20	43.67	12.60	91.85	37.04	22.22	207.38
Fast	90	235	191.30	44.33	15.64	81.40	43.83	12.96	198.16
Brush 2nd coat									
Slow	85	285	255.10	30.24	7.24	89.51	24.13	24.18	175.30
Medium	100	273	223.20	32.75	9.46	81.76	30.99	18.60	173.56
Fast	125	260	191.30	31.92	11.26	73.58	36.20	10.71	163.67
Brush 3rd or additional coats									
Slow	100	335	255.10	25.70	6.17	76.15	20.52	20.57	149.11
Medium	125	323	223.20	26.20	7.57	69.10	25.72	15.43	144.02
Fast	150	310	191.30	26.60	9.40	61.71	30.29	8.96	136.96

For heights over 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ductwork, canvas insulated, roll application</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	125	250	50.60	20.56	4.94	20.24	8.69	8.71	63.14
Medium	150	238	44.30	21.83	6.32	18.61	11.69	7.01	65.46
Fast	175	225	38.00	22.80	8.02	16.89	14.80	4.38	66.89
Roll 2nd coat									
Slow	175	350	50.60	14.69	3.51	14.46	6.21	6.22	45.09
Medium	200	325	44.30	16.38	4.73	13.63	8.69	5.21	48.64
Fast	225	300	38.00	17.73	6.24	12.67	11.36	3.36	51.36
Roll 3rd or additional coats									
Slow	225	400	50.60	11.42	2.73	12.65	5.09	5.10	36.99
Medium	250	388	44.30	13.10	3.78	11.42	7.08	4.25	39.63
Fast	275	375	38.00	14.51	5.14	10.13	9.23	2.73	41.74
Sealer, off white, water base (material #1)									
Roll 1 coat									
Slow	125	250	54.70	20.56	4.94	21.88	9.00	9.02	65.40
Medium	150	238	47.80	21.83	6.32	20.08	12.06	7.23	67.52
Fast	175	225	41.00	22.80	8.02	18.22	15.21	4.50	68.75
Sealer, off white, oil base (material #2)									
Roll 1 coat									
Slow	125	275	73.30	20.56	4.94	26.65	9.91	9.93	71.99
Medium	150	263	64.10	21.83	6.32	24.37	13.13	7.88	73.53
Fast	175	250	55.00	22.80	8.02	22.00	16.38	4.85	74.05
Enamel, water base (material #9)									
Roll 1st finish coat									
Slow	175	350	67.00	14.69	3.51	19.14	7.10	7.11	51.55
Medium	200	325	58.60	16.38	4.73	18.03	9.79	5.87	54.80
Fast	225	300	50.20	17.73	6.24	16.73	12.62	3.73	57.05
Roll 2nd or additional finish coats									
Slow	225	400	67.00	11.42	2.73	16.75	5.87	5.88	42.65
Medium	250	388	58.60	13.10	3.78	15.10	8.00	4.80	44.78
Fast	275	375	50.20	14.51	5.14	13.39	10.24	3.03	46.31

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Industrial enamel, oil base, high gloss - light colors (material #56)									
Roll 1st finish coat									
Slow	175	375	179.60	14.69	3.51	47.89	12.56	12.59	91.24
Medium	200	350	157.20	16.38	4.73	44.91	16.51	9.90	92.43
Fast	225	325	134.70	17.73	6.24	41.45	20.29	6.00	91.71
Roll 2nd or additional finish coats									
Slow	225	450	179.60	11.42	2.73	39.91	10.27	10.29	74.62
Medium	250	438	157.20	13.10	3.78	35.89	13.20	7.92	73.89
Fast	275	425	134.70	14.51	5.14	31.69	15.91	4.71	71.96
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Roll 1st finish coat									
Slow	175	300	202.00	14.69	3.51	67.33	16.25	16.29	118.07
Medium	200	288	176.70	16.38	4.73	61.35	20.62	12.37	115.45
Fast	225	275	151.50	17.73	6.24	55.09	24.51	7.25	110.82
Roll 2nd or additional finish coats									
Slow	225	450	202.00	11.42	2.73	44.89	11.22	11.24	81.50
Medium	250	438	176.70	13.10	3.78	40.34	14.31	8.58	80.11
Fast	275	425	151.50	14.51	5.14	35.65	17.14	5.07	77.51
Epoxy coating, 2 part system - clear (material #51)									
Roll 1st coat									
Slow	125	250	263.80	20.56	4.94	105.52	24.89	24.94	180.85
Medium	150	238	230.80	21.83	6.32	96.97	31.28	18.77	175.17
Fast	175	225	197.90	22.80	8.02	87.96	36.83	10.89	166.50
Roll 2nd coat									
Slow	175	350	263.80	14.69	3.51	75.37	17.78	17.82	129.17
Medium	200	325	230.80	16.38	4.73	71.02	23.03	13.82	128.98
Fast	225	300	197.90	17.73	6.24	65.97	27.89	8.25	126.08
Roll 3rd or additional coats									
Slow	225	425	263.80	11.42	2.73	62.07	14.48	14.51	105.21
Medium	250	413	230.80	13.10	3.78	55.88	18.19	10.92	101.87
Fast	275	400	197.90	14.51	5.14	49.48	21.42	6.34	96.89

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Roll 1st coat									
Slow	125	250	255.10	20.56	4.94	102.04	24.23	24.28	176.05
Medium	150	238	223.20	21.83	6.32	93.78	30.48	18.29	170.70
Fast	175	225	191.30	22.80	8.02	85.02	35.92	10.63	162.39
Roll 2nd coat									
Slow	175	375	255.10	14.69	3.51	68.03	16.39	16.42	119.04
Medium	200	338	223.20	16.38	4.73	66.04	21.79	13.07	122.01
Fast	225	300	191.30	17.73	6.24	63.77	27.21	8.05	123.00
Roll 3rd or additional coats									
Slow	225	425	255.10	11.42	2.73	60.02	14.09	14.12	102.38
Medium	250	413	223.20	13.10	3.78	54.04	17.73	10.64	99.29
Fast	275	400	191.30	14.51	5.14	47.83	20.91	6.19	94.58

For heights over 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Ductwork, canvas insulated, spray application</b>									
Flat latex, water base (material #5)									
Spray prime coat									
Slow	450	200	50.60	5.71	1.37	25.30	6.15	6.16	44.69
Medium	500	188	44.30	6.55	1.89	23.56	8.00	4.80	44.80
Fast	550	175	38.00	7.25	2.57	21.71	9.77	2.89	44.19
Spray 1st finish coat									
Slow	550	225	50.60	4.67	1.13	22.49	5.37	5.38	39.04
Medium	625	213	44.30	5.24	1.51	20.80	6.89	4.13	38.57
Fast	700	200	38.00	5.70	2.02	19.00	8.28	2.45	37.45
Spray 2nd or additional finish coats									
Slow	700	250	50.60	3.67	.89	20.24	4.71	4.72	34.23
Medium	750	238	44.30	4.37	1.24	18.61	6.06	3.64	33.92
Fast	800	225	38.00	4.99	1.76	16.89	7.33	2.17	33.14
Sealer, off white, water base (material #1)									
Spray 1 coat									
Slow	450	200	54.70	5.71	1.37	27.35	6.54	6.56	47.53
Medium	500	188	47.80	6.55	1.89	25.43	8.47	5.08	47.42
Fast	550	175	41.00	7.25	2.57	23.43	10.30	3.05	46.60
Sealer, off white, oil base (material #2)									
Spray 1 coat									
Slow	450	225	73.30	5.71	1.37	32.58	7.54	7.55	54.75
Medium	500	213	64.10	6.55	1.89	30.09	9.63	5.78	53.94
Fast	550	200	55.00	7.25	2.57	27.50	11.57	3.42	52.31
Enamel, water base (material #9)									
Spray 1st finish coat									
Slow	550	225	67.00	4.67	1.13	29.78	6.76	6.77	49.11
Medium	625	213	58.60	5.24	1.51	27.51	8.57	5.14	47.97
Fast	700	200	50.20	5.70	2.02	25.10	10.17	3.01	46.00
Spray 2nd or additional finish coats									
Slow	700	250	67.00	3.67	.89	26.80	5.96	5.97	43.29
Medium	750	238	58.60	4.37	1.24	24.62	7.56	4.54	42.33
Fast	800	225	50.20	4.99	1.76	22.31	9.01	2.66	40.73

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Industrial enamel, oil base, high gloss - light colors (material #56)									
Spray 1st finish coat									
Slow	550	250	179.60	4.67	1.13	71.84	14.75	14.78	107.17
Medium	625	238	157.20	5.24	1.51	66.05	18.20	10.92	101.92
Fast	700	225	134.70	5.70	2.02	59.87	20.95	6.20	94.74
Spray 2nd or additional finish coats									
Slow	700	275	179.60	3.67	.89	65.31	13.27	13.30	96.44
Medium	750	263	157.20	4.37	1.24	59.77	16.35	9.81	91.54
Fast	800	250	134.70	4.99	1.76	53.88	18.80	5.56	84.99
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Spray 1st finish coat									
Slow	550	250	202.00	4.67	1.13	80.80	16.45	16.49	119.54
Medium	625	238	176.70	5.24	1.51	74.24	20.25	12.15	113.39
Fast	700	225	151.50	5.70	2.02	67.33	23.26	6.88	105.19
Spray 2nd or additional finish coats									
Slow	700	275	202.00	3.67	.89	73.45	14.82	14.85	107.68
Medium	750	263	176.70	4.37	1.24	67.19	18.21	10.92	101.93
Fast	800	250	151.50	4.99	1.76	60.60	20.88	6.18	94.41
Epoxy coating, 2 part system - clear (material #51)									
Spray prime coat									
Slow	450	200	263.80	5.71	1.37	131.90	26.41	26.46	191.85
Medium	500	188	230.80	6.55	1.89	122.77	32.80	19.68	183.69
Fast	550	175	197.90	7.25	2.57	113.09	38.10	11.27	172.28
Spray 1st finish coat									
Slow	550	235	263.80	4.67	1.13	112.26	22.43	22.48	162.97
Medium	625	225	230.80	5.24	1.51	102.58	27.33	16.40	153.06
Fast	700	215	197.90	5.70	2.02	92.05	30.93	9.15	139.85
Spray 2nd or additional finish coats									
Slow	700	265	263.80	3.67	.89	99.55	19.78	19.82	143.71
Medium	750	253	230.80	4.37	1.24	91.23	24.22	14.53	135.59
Fast	800	240	197.90	4.99	1.76	82.46	27.66	8.18	125.05

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system - white (material #52)									
Spray prime coat									
Slow	450	200	255.10	5.71	1.37	127.55	25.58	25.63	185.84
Medium	500	188	223.20	6.55	1.89	118.72	31.79	19.07	178.02
Fast	550	175	191.30	7.25	2.57	109.31	36.93	10.92	166.98
Spray 1st finish coat									
Slow	550	235	255.10	4.67	1.13	108.55	21.72	21.77	157.84
Medium	625	225	223.20	5.24	1.51	99.20	26.49	15.89	148.33
Fast	700	215	191.30	5.70	2.02	88.98	29.97	8.87	135.54
Spray 2nd or additional finish coats									
Slow	700	265	255.10	3.67	.89	96.26	19.15	19.19	139.16
Medium	750	253	223.20	4.37	1.24	88.22	23.46	14.08	131.37
Fast	800	240	191.30	4.99	1.76	79.71	26.80	7.93	121.19

For heights over 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Manhours per flight	Flights per gallon	Material cost per gallon	Labor cost per flight	Labor burden flight	Material cost per flight	Overhead per flight	Profit per flight	Total price per flight
<b>Fire escapes</b>									
Solid (plain) deck									
Spray each coat									
Metal primer, rust inhibitor - clean metal (material #35)									
Slow	2.0	1.25	75.10	51.40	12.34	60.08	23.53	23.58	170.93
Medium	1.5	1.00	65.70	49.13	14.19	65.70	32.26	19.35	180.63
Fast	1.0	0.75	56.30	39.90	14.08	75.07	40.01	11.83	180.89
Metal primer, rust inhibitor - rusty metal (material #36)									
Slow	2.0	1.25	95.10	51.40	12.34	76.08	26.57	26.62	193.01
Medium	1.5	1.00	83.20	49.13	14.19	83.20	36.63	21.98	205.13
Fast	1.0	0.75	71.30	39.90	14.08	95.07	46.21	13.67	208.93
Industrial enamel, oil base, high gloss - light colors (material #56)									
Slow	2.25	1.50	179.60	57.83	13.88	119.73	36.37	36.45	264.26
Medium	1.75	1.25	157.20	57.31	16.56	125.76	49.91	29.94	279.48
Fast	1.25	1.00	134.70	49.88	17.60	134.70	62.68	18.54	283.40
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Slow	2.25	1.50	202.00	57.83	13.88	134.67	39.21	39.29	284.88
Medium	1.75	1.25	176.70	57.31	16.56	141.36	53.81	32.28	301.32
Fast	1.25	1.00	151.50	49.88	17.60	151.50	67.89	20.08	306.95
Grating deck									
Spray each coat									
Metal primer, rust inhibitor - clean metal (material #35)									
Slow	3.0	1.75	75.10	77.10	18.51	42.91	26.32	26.37	191.21
Medium	2.5	1.50	65.70	81.88	23.65	43.80	37.34	22.40	209.07
Fast	2.0	1.25	56.30	79.80	28.16	45.04	47.43	14.03	214.46
Metal primer, rust inhibitor - rusty metal (material #36)									
Slow	3.0	1.75	95.10	77.10	18.51	54.34	28.49	28.55	206.99
Medium	2.5	1.50	83.20	81.88	23.65	55.47	40.25	24.15	225.40
Fast	2.0	1.25	71.30	79.80	28.16	57.04	51.15	15.13	231.28

*Industrial, Institutional and Heavy Commercial Costs*

	Manhours per flight	Flights per gallon	Material cost per gallon	Labor cost per flight	Labor burden flight	Material cost per flight	Overhead per flight	Profit per flight	Total price per flight
Industrial enamel, oil base, high gloss - light colors (material #56)									
Slow	3.25	2.00	179.60	83.53	20.05	89.80	36.74	36.82	266.94
Medium	2.75	1.75	157.20	90.06	26.02	89.83	51.48	30.89	288.28
Fast	2.25	1.50	134.70	89.78	31.68	89.80	65.49	19.37	296.12
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Slow	3.25	2.00	202.00	83.53	20.05	101.00	38.87	38.95	282.40
Medium	2.75	1.75	176.70	90.06	26.02	100.97	54.27	32.56	303.88
Fast	2.25	1.50	151.50	89.78	31.68	101.00	68.97	20.40	311.83

Fire escapes can also be estimated by the square foot. Calculate the actual area to be coated. For continuous solid (plain) deck, use the rates listed under Decking and siding. For continuous grating deck, use the rates listed under Grates, steel. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

### **Fire sprinkler systems**

Use the costs listed for 1" to 4" pipe. For painting sprinkler heads at 12 feet on center at a ceiling height of 12 feet, figure 3 minutes per head (20 per hour). Very little paint is needed. Your material estimate for the sprinkler pipe will include enough to cover the heads. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Grates, steel, over 1" thick</b>									
<b>Without supports</b>									
Brush each coat									
Metal primer, rust inhibitor - clean metal (material #35)									
Slow	60	175	75.10	42.83	10.30	.43	10.17	10.19	73.92
Medium	85	150	65.70	38.53	11.11	.44	12.53	7.52	70.13
Fast	110	125	56.30	36.27	12.80	.45	15.35	4.54	69.41
Metal primer, rust inhibitor - rusty metal (material #36)									
Slow	60	175	95.10	42.83	10.30	.54	10.19	10.21	74.07
Medium	85	150	83.20	38.53	11.11	.55	12.56	7.53	70.28
Fast	110	125	71.30	36.27	12.80	.57	15.39	4.55	69.58
Industrial enamel, oil base, high gloss - light colors (material #56)									
Slow	75	225	179.60	34.27	8.21	.80	8.23	8.24	59.75
Medium	100	200	157.20	32.75	9.46	.79	10.75	6.45	60.20
Fast	125	175	134.70	31.92	11.26	.77	13.63	4.03	61.61
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Slow	75	225	202.00	34.27	8.21	.90	8.24	8.26	59.88
Medium	100	200	176.70	32.75	9.46	.88	10.77	6.46	60.32
Fast	125	175	151.50	31.92	11.26	.87	13.66	4.04	61.75
Spray each coat									
Metal primer, rust inhibitor - clean metal (material #35)									
Slow	190	125	75.10	13.53	3.23	.60	3.30	3.31	23.97
Medium	208	113	65.70	15.75	4.55	.58	5.22	3.13	29.23
Fast	225	100	56.30	17.73	6.24	.56	7.61	2.25	34.39
Metal primer, rust inhibitor - rusty metal (material #36)									
Slow	190	125	95.10	13.53	3.23	.76	3.33	3.34	24.19
Medium	208	113	83.20	15.75	4.55	.74	5.26	3.16	29.46
Fast	225	100	71.30	17.73	6.24	.71	7.66	2.27	34.61
Industrial enamel, oil base, high gloss - light colors (material #56)									
Slow	215	160	179.60	11.95	2.87	1.12	3.03	3.04	22.01
Medium	233	148	157.20	14.06	4.05	1.06	4.80	2.88	26.85
Fast	250	135	134.70	15.96	5.63	1.00	7.00	2.07	31.66
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Slow	215	160	202.00	11.95	2.87	1.26	3.06	3.06	22.20
Medium	233	148	176.70	14.06	4.05	1.19	4.83	2.90	27.03
Fast	250	135	151.50	15.96	5.63	1.12	7.04	2.08	31.83

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Including typical supports</b>									
Brush each coat									
Metal primer, rust inhibitor - clean metal (material #35)									
Slow	40	125	75.10	64.25	15.43	.60	15.25	15.28	110.81
Medium	55	113	65.70	59.55	17.19	.58	19.34	11.60	108.26
Fast	70	100	56.30	57.00	20.14	.56	24.08	7.12	108.90
Metal primer, rust inhibitor - rusty metal (material #36)									
Slow	40	125	95.10	64.25	15.43	.76	15.28	15.31	111.03
Medium	55	113	83.20	59.55	17.19	.74	19.38	11.63	108.49
Fast	70	100	71.30	57.00	20.14	.71	24.13	7.14	109.12
Industrial enamel, oil base, high gloss - light colors (material #56)									
Slow	50	160	179.60	51.40	12.34	1.12	12.32	12.35	89.53
Medium	75	148	157.20	43.67	12.60	1.06	14.34	8.60	80.27
Fast	100	135	134.70	39.90	14.08	1.00	17.04	5.04	77.06
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Slow	50	160	202.00	51.40	12.34	1.26	12.35	12.38	89.73
Medium	75	148	176.70	43.67	12.60	1.19	14.37	8.62	80.45
Fast	100	135	151.50	39.90	14.08	1.12	17.08	5.05	77.23
Spray each coat									
Metal primer, rust inhibitor - clean metal (material #35)									
Slow	120	100	75.10	21.42	5.13	.75	5.19	5.20	37.69
Medium	135	88	65.70	24.26	7.02	.75	8.01	4.80	44.84
Fast	150	75	56.30	26.60	9.40	.75	11.39	3.37	51.51
Metal primer, rust inhibitor - rusty metal (material #36)									
Slow	120	100	95.10	21.42	5.13	.95	5.23	5.24	37.97
Medium	135	88	83.20	24.26	7.02	.95	8.06	4.83	45.12
Fast	150	75	71.30	26.60	9.40	.95	11.45	3.39	51.79
Industrial enamel, oil base, high gloss - light colors (material #56)									
Slow	150	125	179.60	17.13	4.13	1.44	4.31	4.32	31.33
Medium	163	113	157.20	20.09	5.78	1.39	6.82	4.09	38.17
Fast	175	100	134.70	22.80	8.02	1.35	9.98	2.95	45.10
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Slow	150	125	202.00	17.13	4.13	1.62	4.34	4.35	31.57
Medium	163	113	176.70	20.09	5.78	1.56	6.87	4.12	38.42
Fast	175	100	151.50	22.80	8.02	1.52	10.03	2.97	45.34

Use these figures when estimating steel grates over 1" thick. The figures will apply when both sides are painted with oil or water base paint. Square feet calculations for grates are based on overall (length times width) dimensions. For grilles under 1" thick, see the following table. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling, or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Grilles, steel, under 1" thick</b>									
<b>Without supports</b>									
Brush each coat									
Metal primer, rust inhibitor, clean metal (material #35)									
Slow	175	200	75.10	14.69	3.51	37.55	10.60	10.62	76.97
Medium	200	175	65.70	16.38	4.73	37.54	14.66	8.80	82.11
Fast	225	150	56.30	17.73	6.24	37.53	19.07	5.64	86.21
Metal primer, rust inhibitor, rusty metal (material #36)									
Slow	175	200	95.10	14.69	3.51	47.55	12.50	12.52	90.77
Medium	200	175	83.20	16.38	4.73	47.54	17.16	10.30	96.11
Fast	225	150	71.30	17.73	6.24	47.53	22.17	6.56	100.23
Industrial enamel, oil base, high gloss, light colors (material #56)									
Slow	200	250	179.60	12.85	3.09	71.84	16.68	16.71	121.17
Medium	225	225	157.20	14.56	4.18	69.87	22.16	13.30	124.07
Fast	250	200	134.70	15.96	5.63	67.35	27.57	8.16	124.67
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Slow	200	250	202.00	12.85	3.09	80.80	18.38	18.42	133.54
Medium	225	225	176.70	14.56	4.18	78.53	24.33	14.60	136.20
Fast	250	200	151.50	15.96	5.63	75.75	30.18	8.93	136.45
Spray each coat									
Metal primer, rust inhibitor, clean metal (material #35)									
Slow	400	150	75.10	6.43	1.54	50.07	11.03	11.05	80.12
Medium	450	138	65.70	7.28	2.09	47.61	14.25	8.55	79.78
Fast	500	125	56.30	7.98	2.82	45.04	17.31	5.12	78.27
Metal primer, rust inhibitor, rusty metal (material #36)									
Slow	400	150	95.10	6.43	1.54	63.40	13.56	13.59	98.52
Medium	450	138	83.20	7.28	2.09	60.29	17.42	10.45	97.53
Fast	500	125	71.30	7.98	2.82	57.04	21.03	6.22	95.09
Industrial enamel, oil base, high gloss, light colors (material #56)									
Slow	425	175	179.60	6.05	1.44	102.63	20.92	20.97	152.01
Medium	475	163	157.20	6.89	2.02	96.44	26.33	15.80	147.48
Fast	525	150	134.70	7.60	2.66	89.80	31.02	9.18	140.26
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Slow	425	175	202.00	6.05	1.44	115.43	23.36	23.41	169.69
Medium	475	163	176.70	6.89	2.02	108.40	29.32	17.59	164.22
Fast	525	150	151.50	7.60	2.66	101.00	34.50	10.20	155.96



*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Including typical supports</b>									
Brush each coat									
Metal primer, rust inhibitor, clean metal (material #35)									
Slow	125	150	75.10	20.56	4.94	50.07	14.36	14.39	104.32
Medium	150	135	65.70	21.83	6.32	48.67	19.20	11.52	107.54
Fast	175	120	56.30	22.80	8.02	46.92	24.11	7.13	108.98
Metal primer, rust inhibitor, rusty metal (material #36)									
Slow	125	150	95.10	20.56	4.94	63.40	16.89	16.92	122.71
Medium	150	135	83.20	21.83	6.32	61.63	22.44	13.47	125.69
Fast	175	120	71.30	22.80	8.02	59.42	27.98	8.28	126.50
Industrial enamel, oil base, high gloss, light colors (material #56)									
Slow	150	200	179.60	17.13	4.13	89.80	21.10	21.14	153.30
Medium	175	175	157.20	18.71	5.39	89.83	28.49	17.09	159.51
Fast	200	150	134.70	19.95	7.04	89.80	36.20	10.71	163.70
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Slow	150	200	202.00	17.13	4.13	101.00	23.23	23.28	168.77
Medium	175	175	176.70	18.71	5.39	100.97	31.27	18.76	175.10
Fast	200	150	151.50	19.95	7.04	101.00	39.68	11.74	179.41
Spray each coat									
Metal primer, rust inhibitor, clean metal (material #35)									
Slow	325	125	75.10	7.91	1.91	60.08	13.28	13.31	96.49
Medium	375	113	65.70	8.73	2.54	58.14	17.35	10.41	97.17
Fast	425	100	56.30	9.39	3.30	56.30	21.39	6.33	96.71
Metal primer, rust inhibitor, rusty metal (material #36)									
Slow	325	125	95.10	7.91	1.91	76.08	16.32	16.35	118.57
Medium	375	113	83.20	8.73	2.54	73.63	21.22	12.73	118.85
Fast	425	100	71.30	9.39	3.30	71.30	26.04	7.70	117.73
Industrial enamel, oil base, high gloss, light colors (material #56)									
Slow	350	150	179.60	7.34	1.77	119.73	24.48	24.53	177.85
Medium	400	138	157.20	8.19	2.36	113.91	31.12	18.67	174.25
Fast	450	125	134.70	8.87	3.11	107.76	37.13	10.98	167.85
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Slow	350	150	202.00	7.34	1.77	134.67	27.32	27.37	198.47
Medium	400	138	176.70	8.19	2.36	128.04	34.65	20.79	194.03
Fast	450	125	151.50	8.87	3.11	121.20	41.29	12.21	186.68

Use these figures to estimate steel grilles under 1" thick. The figures will apply when both sides are painted with oil or water base paint. Square foot calculations for grates are based on overall (length times width) dimensions. For grates over 1" thick, see the previous table. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling, or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

**Ladders**

Measure the length of the ladder rungs and vertical members. Then multiply by a difficulty factor of 1.5 (Length x 1.5) to allow for limited access to the back of the ladder. Then use the rates in the Bare Pipe tables to figure the labor and material costs.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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**Masonry, Concrete Masonry Units (CMU), rough, porous surface**

Industrial bonding & penetrating oil paint (material #55)

## Brush 1st coat

Slow	225	200	168.50	11.42	2.73	84.25	18.70	18.74	135.84
Medium	250	188	147.40	13.10	3.78	78.40	23.82	14.29	133.39
Fast	275	175	126.40	14.51	5.14	72.23	28.48	8.42	128.78

## Brush 2nd coat

Slow	230	275	168.50	11.17	2.69	61.27	14.27	14.30	103.70
Medium	260	250	147.40	12.60	3.65	58.96	18.80	11.28	105.29
Fast	290	225	126.40	13.76	4.86	56.18	23.19	6.86	104.85

Industrial waterproofing (material #58)

## Brush 1st coat

Slow	65	65	76.20	39.54	9.48	117.23	31.59	31.66	229.50
Medium	90	55	66.70	36.39	10.51	121.27	42.05	25.23	235.45
Fast	115	45	57.10	34.70	12.26	126.89	53.89	15.94	243.68

## Brush 2nd or additional coats

Slow	90	150	76.20	28.56	6.85	50.80	16.38	16.41	119.00
Medium	115	125	66.70	28.48	8.24	53.36	22.52	13.51	126.11
Fast	145	100	57.10	27.52	9.73	57.10	29.24	8.65	132.24

## Roll 1st coat

Slow	100	125	76.20	25.70	6.17	60.96	17.64	17.68	128.15
Medium	125	108	66.70	26.20	7.57	61.76	23.88	14.33	133.74
Fast	150	90	57.10	26.60	9.40	63.44	30.82	9.12	139.38

## Roll 2nd or additional coats

Slow	150	175	76.20	17.13	4.13	43.54	12.31	12.33	89.44
Medium	180	150	66.70	18.19	5.28	44.47	16.98	10.19	95.11
Fast	210	125	57.10	19.00	6.69	45.68	22.13	6.55	100.05

Use these figures for Concrete Masonry Units (CMU) where the block surfaces are rough, porous or unfilled, with joints struck to average depth. The more porous the surface, the rougher the texture, the more time and material will be required. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Also refer to other masonry applications under Masonry in the "General Painting Operations" section of this book. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Masonry, Concrete Masonry Units (CMU), smooth surface</b>									
Industrial bonding & penetrating oil paint (material #55)									
Brush 1st coat									
Slow	325	240	168.50	7.91	1.91	70.21	15.20	15.24	110.47
Medium	350	230	147.40	9.36	2.71	64.09	19.04	11.42	106.62
Fast	375	220	126.40	10.64	3.77	57.45	22.27	6.59	100.72
Brush 2nd coat									
Slow	340	300	168.50	7.56	1.81	56.17	12.45	12.48	90.47
Medium	370	275	147.40	8.85	2.55	53.60	16.25	9.75	91.00
Fast	400	250	126.40	9.98	3.52	50.56	19.86	5.87	89.79
Industrial waterproofing (material #58)									
Brush 1st coat									
Slow	75	100	76.20	34.27	8.21	76.20	22.55	22.60	163.83
Medium	100	95	66.70	32.75	9.46	70.21	28.11	16.86	157.39
Fast	125	90	57.10	31.92	11.26	63.44	33.06	9.78	149.46
Brush 2nd or additional coats									
Slow	100	150	76.20	25.70	6.17	50.80	15.71	15.74	114.12
Medium	125	138	66.70	26.20	7.57	48.33	20.53	12.32	114.95
Fast	150	125	57.10	26.60	9.40	45.68	25.32	7.49	114.49
Roll 1st coat									
Slow	125	150	76.20	20.56	4.94	50.80	14.50	14.53	105.33
Medium	150	138	66.70	21.83	6.32	48.33	19.12	11.47	107.07
Fast	175	125	57.10	22.80	8.02	45.68	23.72	7.02	107.24
Roll 2nd or additional coats									
Slow	175	200	76.20	14.69	3.51	38.10	10.70	10.72	77.72
Medium	200	175	66.70	16.38	4.73	38.11	14.81	8.88	82.91
Fast	225	150	57.10	17.73	6.24	38.07	19.24	5.69	86.97

Use these figures for Concrete Masonry Units (CMU), where block surfaces are smooth, as in precision block, filled block or slump stone with joints struck to average depth. The more smooth the surface texture, the less time and material will be required. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Also refer to other masonry applications under Masonry in the "General Painting Operations" section of this book. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Mechanical equipment</b>									
Brush each coat									
Metal primer, rust inhibitor, clean metal (material #35)									
Slow	175	275	75.10	14.69	3.51	27.31	8.65	8.67	62.83
Medium	200	263	65.70	16.38	4.73	24.98	11.52	6.91	64.52
Fast	225	250	56.30	17.73	6.24	22.52	14.42	4.27	65.18
Metal primer, rust inhibitor, rusty metal (material #36)									
Slow	175	275	95.10	14.69	3.51	34.58	10.03	10.05	72.86
Medium	200	263	83.20	16.38	4.73	31.63	13.19	7.91	73.84
Fast	225	250	71.30	17.73	6.24	28.52	16.28	4.82	73.59
Industrial enamel, oil base, high gloss, light colors (material #56)									
Slow	200	375	179.60	12.85	3.09	47.89	12.13	12.15	88.11
Medium	225	363	157.20	14.56	4.18	43.31	15.52	9.31	86.88
Fast	250	350	134.70	15.96	5.63	38.49	18.62	5.51	84.21
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Slow	200	375	202.00	12.85	3.09	53.87	13.26	13.29	96.36
Medium	225	363	176.70	14.56	4.18	48.68	16.86	10.12	94.40
Fast	250	350	151.50	15.96	5.63	43.29	20.11	5.95	90.94
Spray each coat									
Metal primer, rust inhibitor, clean metal (material #35)									
Slow	350	200	75.10	7.34	1.77	37.55	8.86	8.88	64.40
Medium	375	175	65.70	8.73	2.54	37.54	12.20	7.32	68.33
Fast	400	150	56.30	9.98	3.52	37.53	15.82	4.68	71.53
Metal primer, rust inhibitor, rusty metal (material #36)									
Slow	350	200	95.10	7.34	1.77	47.55	10.76	10.79	78.21
Medium	375	175	83.20	8.73	2.54	47.54	14.70	8.82	82.33
Fast	400	150	71.30	9.98	3.52	47.53	18.92	5.60	85.55
Industrial enamel, oil base, high gloss, light colors (material #56)									
Slow	375	275	179.60	6.85	1.66	65.31	14.02	14.05	101.89
Medium	400	250	157.20	8.19	2.36	62.88	18.36	11.02	102.81
Fast	425	225	134.70	9.39	3.30	59.87	22.50	6.65	101.71
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Slow	375	275	202.00	6.85	1.66	73.45	15.57	15.60	113.13
Medium	400	250	176.70	8.19	2.36	70.68	20.31	12.19	113.73
Fast	425	225	151.50	9.39	3.30	67.33	24.81	7.34	112.17

Use these figures to estimate the cost of painting mechanical equipment (such as compressors and mixing boxes). Measurements are based on the overall dimension (length times width) of the surface area to be covered in square feet. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

**Mechanical equipment, boiler room**

Don't bother figuring the exact area of boiler room equipment that has to be coated. Instead, take the area as equal to 1/2 the wall height times the ceiling area in the room. Figure a painter will coat 125 square feet per hour and a gallon of paint will cover 300 square feet. This rate does not include time needed to paint walls, ceiling or floor around mechanical equipment. In any case, you'll need to rely on judgment when painting boiler room equipment.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
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**Piping, bare pipe, brush application**

Metal primer, rust inhibitor, clean metal (material #35)

Brush prime coat

Slow	75	360	75.10	34.27	8.21	20.86	12.04	12.06	87.44
Medium	100	335	65.70	32.75	9.46	19.61	15.46	9.27	86.55
Fast	125	310	56.30	31.92	11.26	18.16	19.02	5.63	85.99

Metal primer, rust inhibitor, rusty metal (material #36)

Brush prime coat

Slow	75	360	95.10	34.27	8.21	26.42	13.09	13.12	95.11
Medium	100	335	83.20	32.75	9.46	24.84	16.76	10.06	93.87
Fast	125	310	71.30	31.92	11.26	23.00	20.52	6.07	92.77

Industrial enamel, oil base, high gloss, light colors (material #56)

Brush 1st finish coat

Slow	90	450	179.60	28.56	6.85	39.91	14.31	14.34	103.97
Medium	115	425	157.20	28.48	8.24	36.99	18.43	11.06	103.20
Fast	140	400	134.70	28.50	10.04	33.68	22.39	6.62	101.23

Brush 2nd or additional finish coats

Slow	125	500	179.60	20.56	4.94	35.92	11.67	11.69	84.78
Medium	150	475	157.20	21.83	6.32	33.09	15.31	9.18	85.73
Fast	175	450	134.70	22.80	8.02	29.93	18.84	5.57	85.16

Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)

Brush 1st finish coat

Slow	90	450	202.00	28.56	6.85	44.89	15.26	15.29	110.85
Medium	115	425	176.70	28.48	8.24	41.58	19.57	11.74	109.61
Fast	140	400	151.50	28.50	10.04	37.88	23.70	7.01	107.13

Brush 2nd or additional finish coats

Slow	125	500	202.00	20.56	4.94	40.40	12.52	12.55	90.97
Medium	150	475	176.70	21.83	6.32	37.20	16.34	9.80	91.49
Fast	175	450	151.50	22.80	8.02	33.67	20.00	5.92	90.41

# *National Painting Cost Estimator*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, clear (material #51)									
Brush 1st coat									
Slow	75	375	263.80	34.27	8.21	70.35	21.44	21.48	155.75
Medium	100	350	230.80	32.75	9.46	65.94	27.04	16.22	151.41
Fast	125	325	197.90	31.92	11.26	60.89	32.26	9.54	145.87
Brush 2nd coat									
Slow	90	425	263.80	28.56	6.85	62.07	18.52	18.56	134.56
Medium	115	400	230.80	28.48	8.24	57.70	23.60	14.16	132.18
Fast	140	375	197.90	28.50	10.04	52.77	28.31	8.37	127.99
Brush 3rd or additional coats									
Slow	125	475	263.80	20.56	4.94	55.54	15.40	15.43	111.87
Medium	150	450	230.80	21.83	6.32	51.29	19.86	11.91	111.21
Fast	175	425	197.90	22.80	8.02	46.56	24.00	7.10	108.48
Epoxy coating, 2 part system, white (material #52)									
Brush 1st coat									
Slow	75	375	255.10	34.27	8.21	68.03	21.00	21.04	152.55
Medium	100	350	223.20	32.75	9.46	63.77	26.50	15.90	148.38
Fast	125	325	191.30	31.92	11.26	58.86	31.64	9.36	143.04
Brush 2nd coat									
Slow	90	425	255.10	28.56	6.85	60.02	18.13	18.17	131.73
Medium	115	400	223.20	28.48	8.24	55.80	23.13	13.88	129.53
Fast	140	375	191.30	28.50	10.04	51.01	27.77	8.21	125.53
Brush 3rd or additional coats									
Slow	125	475	255.10	20.56	4.94	53.71	15.05	15.08	109.34
Medium	150	450	223.20	21.83	6.32	49.60	19.44	11.66	108.85
Fast	175	425	191.30	22.80	8.02	45.01	23.52	6.96	106.31
Aluminum base paint (material #50)									
Brush each coat									
Slow	50	600	222.40	51.40	12.34	37.07	19.15	19.19	139.15
Medium	75	575	194.60	43.67	12.60	33.84	22.53	13.52	126.16
Fast	100	550	166.80	39.90	14.08	30.33	26.14	7.73	118.18

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Heat resistant enamel, 800 to 1200 degree range (material #53)									
Brush each coat									
Slow	50	600	245.30	51.40	12.34	40.88	19.88	19.92	144.42
Medium	75	575	214.70	43.67	12.60	37.34	23.41	14.04	131.06
Fast	100	550	184.00	39.90	14.08	33.45	27.10	8.02	122.55
Heat resistant enamel, 300 to 800 degree range (material #54)									
Brush each coat									
Slow	50	600	231.20	51.40	12.34	38.53	19.43	19.47	141.17
Medium	75	575	202.30	43.67	12.60	35.18	22.87	13.72	128.04
Fast	100	550	173.40	39.90	14.08	31.53	26.51	7.84	119.86

Use the pipe conversion factors in Figure 21 on page 325 to convert linear feet of pipe to square feet of surface. Vertical pipe runs require 2 to 3 times the manhours plus 10% more material. Solid color coded piping requires 15% to 25% more labor and material. For color bands on piping at 10' to 15' intervals, add the cost of an additional 1st coat. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Piping, bare pipe, roll application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Roll prime coat									
Slow	175	400	75.10	14.69	3.51	18.78	7.03	7.04	51.05
Medium	200	375	65.70	16.38	4.73	17.52	9.66	5.79	54.08
Fast	225	350	56.30	17.73	6.24	16.09	12.42	3.68	56.16
Metal primer, rust inhibitor, rusty metal (material #36)									
Roll prime coat									
Slow	175	400	95.10	14.69	3.51	23.78	7.98	8.00	57.96
Medium	200	375	83.20	16.38	4.73	22.19	10.83	6.50	60.63
Fast	225	350	71.30	17.73	6.24	20.37	13.75	4.07	62.16
Industrial enamel, oil base, high gloss, light colors (material #56)									
Roll 1st finish coat									
Slow	200	450	179.60	12.85	3.09	39.91	10.61	10.63	77.09
Medium	225	425	157.20	14.56	4.18	36.99	13.94	8.36	78.03
Fast	250	400	134.70	15.96	5.63	33.68	17.13	5.07	77.47
Roll 2nd or additional finish coats									
Slow	275	500	179.60	9.35	2.25	35.92	9.03	9.05	65.60
Medium	300	475	157.20	10.92	3.14	33.09	11.79	7.08	66.02
Fast	325	450	134.70	12.28	4.35	29.93	14.43	4.27	65.26
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Roll 1st finish coat									
Slow	200	450	202.00	12.85	3.09	44.89	11.56	11.58	83.97
Medium	225	425	176.70	14.56	4.18	41.58	15.09	9.05	84.46
Fast	250	400	151.50	15.96	5.63	37.88	18.44	5.45	83.36
Roll 2nd or additional finish coats									
Slow	275	500	202.00	9.35	2.25	40.40	9.88	9.90	71.78
Medium	300	475	176.70	10.92	3.14	37.20	12.82	7.69	71.77
Fast	325	450	151.50	12.28	4.35	33.67	15.59	4.61	70.50

Use the pipe conversion factors in Figure 21 on page 325 to convert linear feet of pipe to square feet of surface. Vertical pipe runs require 2 to 3 times the manhours plus 10% more material. Solid color coded piping requires 15% to 25% more labor and material. For color bands on piping at 10' to 15' intervals, add the cost of an additional 1st coat. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Piping, bare pipe, spray application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Spray prime coat									
Slow	300	175	75.10	8.57	2.04	42.91	10.17	10.19	73.88
Medium	350	163	65.70	9.36	2.71	40.31	13.10	7.86	73.34
Fast	400	150	56.30	9.98	3.52	37.53	15.82	4.68	71.53
Metal primer, rust inhibitor, rusty metal (material #36)									
Spray prime coat									
Slow	300	175	95.10	8.57	2.04	54.34	12.34	12.37	89.66
Medium	350	163	83.20	9.36	2.71	51.04	15.78	9.47	88.36
Fast	400	150	71.30	9.98	3.52	47.53	18.92	5.60	85.55
Industrial enamel, oil base, high gloss, light colors (material #56)									
Spray 1st finish coat									
Slow	375	210	179.60	6.85	1.66	85.52	17.86	17.90	129.79
Medium	425	198	157.20	7.71	2.21	79.39	22.33	13.40	125.04
Fast	475	185	134.70	8.40	2.99	72.81	26.10	7.72	118.02
Spray 2nd or additional finish coats									
Slow	425	300	179.60	6.05	1.44	59.87	12.80	12.83	92.99
Medium	475	288	157.20	6.89	2.02	54.58	15.87	9.52	88.88
Fast	525	275	134.70	7.60	2.66	48.98	18.37	5.43	83.04
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Spray 1st finish coat									
Slow	375	210	202.00	6.85	1.66	96.19	19.89	19.93	144.52
Medium	425	198	176.70	7.71	2.21	89.24	24.80	14.88	138.84
Fast	475	185	151.50	8.40	2.99	81.89	28.91	8.55	130.74
Spray 2nd or additional finish coats									
Slow	425	300	202.00	6.05	1.44	67.33	14.22	14.25	103.29
Medium	475	288	176.70	6.89	2.02	61.35	17.56	10.53	98.35
Fast	525	275	151.50	7.60	2.66	55.09	20.26	5.99	91.60
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	300	185	263.80	8.57	2.04	142.59	29.11	29.17	211.48
Medium	350	173	230.80	9.36	2.71	133.41	36.37	21.82	203.67
Fast	400	160	197.90	9.98	3.52	123.69	42.53	12.58	192.30
Spray 2nd coat									
Slow	375	200	263.80	6.85	1.66	131.90	26.67	26.73	193.81
Medium	425	188	230.80	7.71	2.21	122.77	33.18	19.91	185.78
Fast	475	175	197.90	8.40	2.99	113.09	38.58	11.41	174.47

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Spray 3rd or additional coats									
Slow	425	275	263.80	6.05	1.44	95.93	19.65	19.69	142.76
Medium	475	263	230.80	6.89	2.02	87.76	24.16	14.50	135.33
Fast	525	250	197.90	7.60	2.66	79.16	27.73	8.20	125.35
Epoxy coating, 2 part system, white (material #52)									
Spray 1st coat									
Slow	300	185	255.10	8.57	2.04	137.89	28.22	28.28	205.00
Medium	350	173	223.20	9.36	2.71	129.02	35.27	21.16	197.52
Fast	400	160	191.30	9.98	3.52	119.56	41.25	12.20	186.51
Spray 2nd coat									
Slow	375	200	255.10	6.85	1.66	127.55	25.85	25.90	187.81
Medium	425	188	223.20	7.71	2.21	118.72	32.17	19.30	180.11
Fast	475	175	191.30	8.40	2.99	109.31	37.41	11.07	169.18
Spray 3rd or additional coats									
Slow	425	275	255.10	6.05	1.44	92.76	19.05	19.09	138.39
Medium	475	263	223.20	6.89	2.02	84.87	23.44	14.06	131.28
Fast	525	250	191.30	7.60	2.66	76.52	26.91	7.96	121.65

Use the pipe conversion factors in Figure 21 on page 325 to convert linear feet of pipe to square feet of surface. Vertical pipe runs require 2 to 3 times the manhours plus 10% more material. Solid color coded piping requires 15% to 25% more labor and material. For color bands on piping at 10' to 15' intervals, add the cost of an additional 1st coat. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Piping, bare pipe, mitt or glove application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Mitt or glove prime coat									
Slow	175	325	75.10	14.69	3.51	23.11	7.85	7.87	57.03
Medium	200	313	65.70	16.38	4.73	20.99	10.53	6.32	58.95
Fast	225	300	56.30	17.73	6.24	18.77	13.26	3.92	59.92
Metal primer, rust inhibitor, rusty metal (material #36)									
Mitt or glove prime coat									
Slow	175	325	95.10	14.69	3.51	29.26	9.02	9.04	65.52
Medium	200	313	83.20	16.38	4.73	26.58	11.92	7.15	66.76
Fast	225	300	71.30	17.73	6.24	23.77	14.81	4.38	66.93
Industrial enamel, oil base, high gloss, light colors (material #56)									
Mitt or glove 1st finish coat									
Slow	200	375	179.60	12.85	3.09	47.89	12.13	12.15	88.11
Medium	225	363	157.20	14.56	4.18	43.31	15.52	9.31	86.88
Fast	250	350	134.70	15.96	5.63	38.49	18.62	5.51	84.21
Mitt or glove 2nd or additional finish coats									
Slow	275	400	179.60	9.35	2.25	44.90	10.73	10.76	77.99
Medium	300	388	157.20	10.92	3.14	40.52	13.65	8.19	76.42
Fast	325	375	134.70	12.28	4.35	35.92	16.28	4.82	73.65
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Mitt or glove 1st finish coat									
Slow	200	375	202.00	12.85	3.09	53.87	13.26	13.29	96.36
Medium	225	363	176.70	14.56	4.18	48.68	16.86	10.12	94.40
Fast	250	350	151.50	15.96	5.63	43.29	20.11	5.95	90.94
Mitt or glove 2nd or additional finish coats									
Slow	275	400	202.00	9.35	2.25	50.50	11.80	11.82	85.72
Medium	300	388	176.70	10.92	3.14	45.54	14.91	8.94	83.45
Fast	325	375	151.50	12.28	4.35	40.40	17.67	5.23	79.93
Epoxy coating, 2 part system, clear (material #51)									
Mitt or glove 1st coat									
Slow	175	360	263.80	14.69	3.51	73.28	17.39	17.42	126.29
Medium	200	348	230.80	16.38	4.73	66.32	21.86	13.11	122.40
Fast	225	335	197.90	17.73	6.24	59.07	25.75	7.62	116.41
Mitt or glove 2nd coat									
Slow	200	375	263.80	12.85	3.09	70.35	16.39	16.43	119.11
Medium	225	363	230.80	14.56	4.18	63.58	20.59	12.35	115.26
Fast	250	350	197.90	15.96	5.63	56.54	24.22	7.16	109.51

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Mitt or glove 3rd or additional coats									
Slow	275	390	263.80	9.35	2.25	67.64	15.05	15.08	109.37
Medium	300	378	230.80	10.92	3.14	61.06	18.79	11.27	105.18
Fast	325	365	197.90	12.28	4.35	54.22	21.96	6.50	99.31
Epoxy coating, 2 part system, white (material #52)									
Mitt or glove 1st coat									
Slow	175	360	255.10	14.69	3.51	70.86	16.93	16.96	122.95
Medium	200	348	223.20	16.38	4.73	64.14	21.31	12.79	119.35
Fast	225	335	191.30	17.73	6.24	57.10	25.14	7.44	113.65
Mitt or glove 2nd coat									
Slow	200	375	255.10	12.85	3.09	68.03	15.95	15.99	115.91
Medium	225	363	223.20	14.56	4.18	61.49	20.07	12.04	112.34
Fast	250	350	191.30	15.96	5.63	54.66	23.64	6.99	106.88
Mitt or glove 3rd or additional coats									
Slow	275	390	255.10	9.35	2.25	65.41	14.63	14.66	106.30
Medium	300	378	223.20	10.92	3.14	59.05	18.28	10.97	102.36
Fast	325	365	191.30	12.28	4.35	52.41	21.40	6.33	96.77

Use the pipe conversion factors in Figure 21 on page 325 to convert linear feet of pipe to square feet of surface. Vertical pipe runs require 2 to 3 times the manhours plus 10% more material. Solid color coded piping requires 15% to 25% more labor and material. For color bands on piping at 10' to 15' intervals, add the cost of an additional 1st coat. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Piping, insulated, canvas jacket, brush</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	60	150	50.60	42.83	10.30	33.73	16.50	16.53	119.89
Medium	80	138	44.30	40.94	11.82	32.10	21.22	12.73	118.81
Fast	100	125	38.00	39.90	14.08	30.40	26.16	7.74	118.28
Brush 2nd coat									
Slow	75	300	50.60	34.27	8.21	16.87	11.28	11.30	81.93
Medium	100	288	44.30	32.75	9.46	15.38	14.40	8.64	80.63
Fast	125	275	38.00	31.92	11.26	13.82	17.67	5.23	79.90
Brush 3rd or additional coats									
Slow	100	400	50.60	25.70	6.17	12.65	8.46	8.48	61.46
Medium	138	375	44.30	23.73	6.87	11.81	10.60	6.36	59.37
Fast	175	350	38.00	22.80	8.02	10.86	12.93	3.82	58.43
Sealer, off white, water base (material #1)									
Brush 1 coat									
Slow	60	150	54.70	42.83	10.30	36.47	17.02	17.06	123.68
Medium	80	138	47.80	40.94	11.82	34.64	21.85	13.11	122.36
Fast	100	125	41.00	39.90	14.08	32.80	26.90	7.96	121.64
Sealer, off white, oil base (material #2)									
Brush 1 coat									
Slow	60	200	73.30	42.83	10.30	36.65	17.05	17.09	123.92
Medium	80	188	64.10	40.94	11.82	34.10	21.72	13.03	121.61
Fast	100	175	55.00	39.90	14.08	31.43	26.48	7.83	119.72
Enamel, water base latex (material #9)									
Brush 1st finish coat									
Slow	75	300	67.00	34.27	8.21	22.33	12.32	12.34	89.47
Medium	100	288	58.60	32.75	9.46	20.35	15.64	9.38	87.58
Fast	125	275	50.20	31.92	11.26	18.25	19.05	5.63	86.11
Brush 2nd or additional finish coats									
Slow	100	400	67.00	25.70	6.17	16.75	9.24	9.26	67.12
Medium	138	375	58.60	23.73	6.87	15.63	11.56	6.93	64.72
Fast	175	350	50.20	22.80	8.02	14.34	14.01	4.14	63.31
Industrial enamel, oil base, high gloss, light colors (material #56)									
Brush 1st finish coat									
Slow	75	335	179.60	34.27	8.21	53.61	18.26	18.30	132.65
Medium	100	323	157.20	32.75	9.46	48.67	22.72	13.63	127.23
Fast	125	310	134.70	31.92	11.26	43.45	26.86	7.95	121.44

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Brush 2nd or additional finish coats									
Slow	100	450	179.60	25.70	6.17	39.91	13.64	13.67	99.09
Medium	150	438	157.20	21.83	6.32	35.89	16.01	9.60	89.65
Fast	175	425	134.70	22.80	8.02	31.69	19.39	5.74	87.64
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Brush 1st finish coat									
Slow	75	335	202.00	34.27	8.21	60.30	19.53	19.57	141.88
Medium	100	323	176.70	32.75	9.46	54.71	24.23	14.54	135.69
Fast	125	310	151.50	31.92	11.26	48.87	28.54	8.44	129.03
Brush 2nd or additional finish coats									
Slow	100	450	202.00	25.70	6.17	44.89	14.58	14.61	105.95
Medium	150	438	176.70	21.83	6.32	40.34	17.12	10.27	95.88
Fast	175	425	151.50	22.80	8.02	35.65	20.62	6.10	93.19
Epoxy coating, 2 part system, clear (material #51)									
Brush 1st coat									
Slow	75	325	263.80	34.27	8.21	81.17	23.50	23.55	170.70
Medium	100	313	230.80	32.75	9.46	73.74	28.99	17.39	162.33
Fast	125	300	197.90	31.92	11.26	65.97	33.84	10.01	153.00
Brush 2nd or additional coats									
Slow	100	450	263.80	25.70	6.17	58.62	17.19	17.23	124.91
Medium	150	438	230.80	21.83	6.32	52.69	20.21	12.12	113.17
Fast	175	425	197.90	22.80	8.02	46.56	24.00	7.10	108.48
Epoxy coating, 2 part system, white (material #52)									
Brush 1st coat									
Slow	75	325	255.10	34.27	8.21	78.49	22.99	23.04	167.00
Medium	100	313	223.20	32.75	9.46	71.31	28.38	17.03	158.93
Fast	125	300	191.30	31.92	11.26	63.77	33.16	9.81	149.92
Brush 2nd or additional coats									
Slow	100	450	255.10	25.70	6.17	56.69	16.83	16.86	122.25
Medium	150	438	223.20	21.83	6.32	50.96	19.78	11.87	110.76
Fast	175	425	191.30	22.80	8.02	45.01	23.52	6.96	106.31

Use the pipe conversion factors in Figure 21 on page 325 to convert linear feet of pipe to square feet of surface. Vertical pipe runs require 2 to 3 times the manhours plus 10% more material. Solid color coded piping requires 15% to 25% more labor and material. For color bands on piping at 10' to 15' intervals, add the cost of an additional 1st coat. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Piping, insulated, canvas jacket, roll</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	135	150	50.60	19.04	4.58	33.73	10.89	10.92	79.16
Medium	160	138	44.30	20.47	5.91	32.10	14.62	8.77	81.87
Fast	185	125	38.00	21.57	7.63	30.40	18.47	5.46	83.53
Roll 2nd coat									
Slow	175	300	50.60	14.69	3.51	16.87	6.67	6.68	48.42
Medium	200	288	44.30	16.38	4.73	15.38	9.12	5.47	51.08
Fast	225	275	38.00	17.73	6.24	13.82	11.72	3.47	52.98
Roll 3rd or additional coats									
Slow	275	400	50.60	9.35	2.25	12.65	4.61	4.62	33.48
Medium	300	388	44.30	10.92	3.14	11.42	6.38	3.83	35.69
Fast	325	375	38.00	12.28	4.35	10.13	8.29	2.45	37.50
Sealer, off white, water base (material #1)									
Roll 1 coat									
Slow	135	150	54.70	19.04	4.58	36.47	11.42	11.44	82.95
Medium	160	138	47.80	20.47	5.91	34.64	15.26	9.15	85.43
Fast	185	125	41.00	21.57	7.63	32.80	19.21	5.68	86.89
Sealer, off white, oil base (material #2)									
Roll 1 coat									
Slow	135	225	73.30	19.04	4.58	32.58	10.68	10.70	77.58
Medium	160	213	64.10	20.47	5.91	30.09	14.12	8.47	79.06
Fast	185	200	55.00	21.57	7.63	27.50	17.57	5.20	79.47
Enamel, water base latex (material #9)									
Roll 1st finish coat									
Slow	175	300	67.00	14.69	3.51	22.33	7.70	7.72	55.95
Medium	200	288	58.60	16.38	4.73	20.35	10.37	6.22	58.05
Fast	225	275	50.20	17.73	6.24	18.25	13.09	3.87	59.18
Roll 2nd or additional finish coats									
Slow	275	400	67.00	9.35	2.25	16.75	5.38	5.40	39.13
Medium	300	388	58.60	10.92	3.14	15.10	7.30	4.38	40.84
Fast	325	375	50.20	12.28	4.35	13.39	9.30	2.75	42.07
Industrial enamel, oil base, high gloss, light colors (material #56)									
Roll 1st finish coat									
Slow	175	335	179.60	14.69	3.51	53.61	13.65	13.68	99.14
Medium	200	323	157.20	16.38	4.73	48.67	17.45	10.47	97.70
Fast	225	310	134.70	17.73	6.24	43.45	20.91	6.18	94.51

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Roll 2nd or additional finish coats									
Slow	275	450	179.60	9.35	2.25	39.91	9.79	9.81	71.11
Medium	300	438	157.20	10.92	3.14	35.89	12.49	7.50	69.94
Fast	325	425	134.70	12.28	4.35	31.69	14.97	4.43	67.72
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Roll 1st finish coat									
Slow	175	335	202.00	14.69	3.51	60.30	14.92	14.95	108.37
Medium	200	323	176.70	16.38	4.73	54.71	18.96	11.37	106.15
Fast	225	310	151.50	17.73	6.24	48.87	22.59	6.68	102.11
Roll 2nd or additional finish coats									
Slow	275	450	202.00	9.35	2.25	44.89	10.73	10.75	77.97
Medium	300	438	176.70	10.92	3.14	40.34	13.61	8.16	76.17
Fast	325	425	151.50	12.28	4.35	35.65	16.20	4.79	73.27
Epoxy coating, 2 part system, clear (material #51)									
Roll 1st coat									
Slow	175	325	263.80	14.69	3.51	81.17	18.88	18.92	137.17
Medium	200	313	230.80	16.38	4.73	73.74	23.71	14.23	132.79
Fast	225	300	197.90	17.73	6.24	65.97	27.89	8.25	126.08
Roll 2nd or additional coats									
Slow	275	425	263.80	9.35	2.25	62.07	14.00	14.03	101.70
Medium	300	413	230.80	10.92	3.14	55.88	17.49	10.49	97.92
Fast	325	400	197.90	12.28	4.35	49.48	20.49	6.06	92.66
Epoxy coating, 2 part system, white (material #52)									
Roll 1st coat									
Slow	175	325	255.10	14.69	3.51	78.49	18.37	18.41	133.47
Medium	200	313	223.20	16.38	4.73	71.31	23.11	13.86	129.39
Fast	225	300	191.30	17.73	6.24	63.77	27.21	8.05	123.00
Roll 2nd or additional coats									
Slow	275	425	255.10	9.35	2.25	60.02	13.61	13.64	98.87
Medium	300	413	223.20	10.92	3.14	54.04	17.03	10.22	95.35
Fast	325	400	191.30	12.28	4.35	47.83	19.98	5.91	90.35

Use the pipe conversion factors in Figure 21 on page 325 to convert linear feet of pipe to square feet of surface. Vertical pipe runs require 2 to 3 times the manhours plus 10% more material. Solid color coded piping requires 15% to 25% more labor and material. For color bands on piping at 10' to 15' intervals, add the cost of an additional 1st coat. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Piping, insulated, canvas jacket, spray</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	225	100	50.60	11.42	2.73	50.60	12.30	12.33	89.38
Medium	250	88	44.30	13.10	3.78	50.34	16.81	10.08	94.11
Fast	275	75	38.00	14.51	5.14	50.67	21.79	6.45	98.56
Spray 2nd coat									
Slow	275	200	50.60	9.35	2.25	25.30	7.01	7.02	50.93
Medium	300	188	44.30	10.92	3.14	23.56	9.41	5.65	52.68
Fast	325	175	38.00	12.28	4.35	21.71	11.88	3.51	53.73
Spray 3rd or additional coats									
Slow	375	300	50.60	6.85	1.66	16.87	4.82	4.83	35.03
Medium	400	288	44.30	8.19	2.36	15.38	6.49	3.89	36.31
Fast	425	275	38.00	9.39	3.30	13.82	8.22	2.43	37.16
Sealer, off white, water base (material #1)									
Spray 1 coat									
Slow	225	100	54.70	11.42	2.73	54.70	13.08	13.11	95.04
Medium	250	88	47.80	13.10	3.78	54.32	17.80	10.68	99.68
Fast	275	75	41.00	14.51	5.14	54.67	23.03	6.81	104.16
Sealer, off white, oil base (material #2)									
Spray 1 coat									
Slow	225	150	73.30	11.42	2.73	48.87	11.98	12.00	87.00
Medium	250	138	64.10	13.10	3.78	46.45	15.84	9.50	88.67
Fast	275	125	55.00	14.51	5.14	44.00	19.73	5.84	89.22
Enamel, water base latex (material #9)									
Spray 1st finish coat									
Slow	275	200	67.00	9.35	2.25	33.50	8.57	8.59	62.26
Medium	300	188	58.60	10.92	3.14	31.17	11.31	6.79	63.33
Fast	325	175	50.20	12.28	4.35	28.69	14.04	4.15	63.51
Spray 2nd or additional finish coats									
Slow	375	300	67.00	6.85	1.66	22.33	5.86	5.87	42.57
Medium	400	288	58.60	8.19	2.36	20.35	7.73	4.64	43.27
Fast	425	275	50.20	9.39	3.30	18.25	9.59	2.84	43.37
Industrial enamel, oil base, high gloss, light colors (material #56)									
Spray 1st finish coat									
Slow	275	235	179.60	9.35	2.25	76.43	16.72	16.76	121.51
Medium	300	223	157.20	10.92	3.14	70.49	21.14	12.69	118.38
Fast	325	210	134.70	12.28	4.35	64.14	25.03	7.40	113.20

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Spray 2nd or additional finish coats									
Slow	375	335	179.60	6.85	1.66	53.61	11.80	11.82	85.74
Medium	400	323	157.20	8.19	2.36	48.67	14.81	8.88	82.91
Fast	425	310	134.70	9.39	3.30	43.45	17.41	5.15	78.70
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Spray 1st finish coat									
Slow	275	235	202.00	9.35	2.25	85.96	18.53	18.57	134.66
Medium	300	223	176.70	10.92	3.14	79.24	23.33	14.00	130.63
Fast	325	210	151.50	12.28	4.35	72.14	27.51	8.14	124.42
Spray 2nd or additional finish coats									
Slow	375	335	202.00	6.85	1.66	60.30	13.07	13.10	94.98
Medium	400	323	176.70	8.19	2.36	54.71	16.32	9.79	91.37
Fast	425	310	151.50	9.39	3.30	48.87	19.09	5.65	86.30
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	275	225	263.80	9.35	2.25	117.24	24.48	24.53	177.85
Medium	300	213	230.80	10.92	3.14	108.36	30.61	18.37	171.40
Fast	325	200	197.90	12.28	4.35	98.95	35.82	10.60	162.00
Spray 2nd or additional coats									
Slow	375	325	263.80	6.85	1.66	81.17	17.04	17.07	123.79
Medium	400	313	230.80	8.19	2.36	73.74	21.08	12.65	118.02
Fast	425	300	197.90	9.39	3.30	65.97	24.39	7.21	110.26
Epoxy coating, 2 part system, white (material #52)									
Spray 1st coat									
Slow	275	225	255.10	9.35	2.25	113.38	23.74	23.79	172.51
Medium	300	213	223.20	10.92	3.14	104.79	29.72	17.83	166.40
Fast	325	200	191.30	12.28	4.35	95.65	34.80	10.29	157.37
Spray 2nd or additional coats									
Slow	375	325	255.10	6.85	1.66	78.49	16.53	16.56	120.09
Medium	400	313	223.20	8.19	2.36	71.31	20.47	12.28	114.61
Fast	425	300	191.30	9.39	3.30	63.77	23.71	7.01	107.18

Use the pipe conversion factors in Figure 21 on page 325 to convert linear feet of pipe to square feet of surface. Vertical pipe runs require 2 to 3 times the manhours plus 10% more material. Solid color coded piping requires 15% to 25% more labor and material. For color bands on piping at 10' to 15' intervals, add the cost of an additional 1st coat. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Radiators</b>									
Brush each coat									
Metal primer, rust inhibitor, clean metal (material #35)									
Slow	50	100	75.10	51.40	12.34	75.10	26.38	26.44	191.66
Medium	70	95	65.70	46.79	13.53	69.16	32.37	19.42	181.27
Fast	90	90	56.30	44.33	15.64	62.56	37.99	11.24	171.76
Metal primer, rust inhibitor, rusty metal (material #36)									
Slow	50	100	95.10	51.40	12.34	95.10	30.18	30.24	219.26
Medium	70	95	83.20	46.79	13.53	87.58	36.97	22.18	207.05
Fast	90	90	71.30	44.33	15.64	79.22	43.15	12.76	195.10
Industrial enamel, oil base, high gloss, light colors (material #56)									
Slow	60	150	179.60	42.83	10.30	119.73	32.84	32.91	238.61
Medium	80	138	157.20	40.94	11.82	113.91	41.67	25.00	233.34
Fast	100	125	134.70	39.90	14.08	107.76	50.14	14.83	226.71
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Slow	60	150	202.00	42.83	10.30	134.67	35.68	35.75	259.23
Medium	80	138	176.70	40.94	11.82	128.04	45.20	27.12	253.12
Fast	100	125	151.50	39.90	14.08	121.20	54.31	16.06	245.55
Spray each coat									
Metal primer, rust inhibitor, clean metal (material #35)									
Slow	225	90	75.10	11.42	2.73	83.44	18.54	18.58	134.71
Medium	250	83	65.70	13.10	3.78	79.16	24.01	14.41	134.46
Fast	275	75	56.30	14.51	5.14	75.07	29.36	8.68	132.76
Metal primer, rust inhibitor, rusty metal (material #36)									
Slow	225	90	95.10	11.42	2.73	105.67	22.77	22.82	165.41
Medium	250	83	83.20	13.10	3.78	100.24	29.28	17.57	163.97
Fast	275	75	71.30	14.51	5.14	95.07	35.56	10.52	160.80
Industrial enamel, oil base, high gloss, light colors (material #56)									
Slow	250	110	179.60	10.28	2.47	163.27	33.44	33.51	242.97
Medium	275	100	157.20	11.91	3.45	157.20	43.14	25.88	241.58
Fast	300	90	134.70	13.30	4.68	149.67	51.97	15.37	234.99
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Slow	250	110	202.00	10.28	2.47	183.64	37.31	37.39	271.09
Medium	275	100	176.70	11.91	3.45	176.70	48.01	28.81	268.88
Fast	300	90	151.50	13.30	4.68	168.33	57.76	17.09	261.16

Use these figures to estimate the cost of painting both sides of 6" to 18" deep hot water or steam radiators with oil or water base paint. Measurements are per square foot of area measured, one side (length times width). For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping and rust without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

## Structural steel

Fabrication and erection estimates are usually based on weight of the steel in tons. As a paint estimator you need to convert tons of steel to square feet of surface. Of course, the conversion factor depends on the size of the steel members. On larger jobs and where accuracy is essential, use the Structural Steel conversion table in Figure 23 on pages 391 through 399 at the end of this Structural steel section to make exact conversions. On smaller jobs, a *rule of thumb* is that there are 225 square feet of paintable surface per ton of steel.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, heavy, brush application</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Brush prime coat									
Slow	130	400	75.10	19.77	4.74	18.78	8.23	8.24	59.76
Medium	150	388	65.70	21.83	6.32	16.93	11.27	6.76	63.11
Fast	170	375	56.30	23.47	8.27	15.01	14.50	4.29	65.54
Metal primer, rust inhibitor - rusty metal (material #36)									
Brush prime coat									
Slow	130	400	95.10	19.77	4.74	23.78	9.18	9.20	66.67
Medium	150	388	83.20	21.83	6.32	21.44	12.40	7.44	69.43
Fast	170	375	71.30	23.47	8.27	19.01	15.74	4.66	71.15
Industrial enamel, oil base, high gloss - light colors (material #56)									
Brush 1st or additional finish coats									
Slow	175	425	179.60	14.69	3.51	42.26	11.49	11.52	83.47
Medium	200	413	157.20	16.38	4.73	38.06	14.79	8.88	82.84
Fast	225	400	134.70	17.73	6.24	33.68	17.88	5.29	80.82
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Brush 1st or additional finish coats									
Slow	175	475	202.00	14.69	3.51	42.53	11.54	11.57	83.84
Medium	200	463	176.70	16.38	4.73	38.16	14.82	8.89	82.98
Fast	225	450	151.50	17.73	6.24	33.67	17.87	5.29	80.80
Epoxy coating, 2 part system, clear (material #51)									
Brush 1st coat									
Slow	130	425	263.80	19.77	4.74	62.07	16.45	16.48	119.51
Medium	150	413	230.80	21.83	6.32	55.88	21.01	12.60	117.64
Fast	170	400	197.90	23.47	8.27	49.48	25.18	7.45	113.85
Brush 2nd or additional coats									
Slow	175	450	263.80	14.69	3.51	58.62	14.60	14.63	106.05
Medium	200	438	230.80	16.38	4.73	52.69	18.45	11.07	103.32
Fast	225	425	197.90	17.73	6.24	46.56	21.87	6.47	98.87

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Brush 1st coat									
Slow	130	425	255.10	19.77	4.74	60.02	16.06	16.09	116.68
Medium	150	413	223.20	21.83	6.32	54.04	20.55	12.33	115.07
Fast	170	400	191.30	23.47	8.27	47.83	24.67	7.30	111.54
Brush 2nd or additional coats									
Slow	175	450	255.10	14.69	3.51	56.69	14.23	14.26	103.38
Medium	200	438	223.20	16.38	4.73	50.96	18.02	10.81	100.90
Fast	225	425	191.30	17.73	6.24	45.01	21.39	6.33	96.70

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Heavy structural steel has from 100 to 150 square feet of surface area per ton. Extra heavy structural steel has from 50 to 100 square feet of surface area per ton. *Rule of thumb*: When coatings are applied by brush, a journeyman painter will apply a first coat on 6 to 7 tons per 8 hour day. When coatings are applied by spray, figure output at 0.2 hours per ton and material use at about 0.2 gallons per ton. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light-color finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, heavy, roll application</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Roll prime coat									
Slow	250	390	75.10	10.28	2.47	19.26	6.08	6.09	44.18
Medium	275	378	65.70	11.91	3.45	17.38	8.18	4.91	45.83
Fast	300	365	56.30	13.30	4.68	15.42	10.36	3.06	46.82
Metal primer, rust inhibitor - rusty metal (material #36)									
Roll prime coat									
Slow	250	380	95.10	10.28	2.47	25.03	7.18	7.19	52.15
Medium	275	363	83.20	11.91	3.45	22.92	9.57	5.74	53.59
Fast	300	355	71.30	13.30	4.68	20.08	11.80	3.49	53.35
Industrial enamel, oil base, high gloss - light colors (material #56)									
Roll 1st or additional finish coats									
Slow	275	425	179.60	9.35	2.25	42.26	10.23	10.25	74.34
Medium	300	413	157.20	10.92	3.14	38.06	13.04	7.82	72.98
Fast	325	400	134.70	12.28	4.35	33.68	15.59	4.61	70.51
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Roll 1st or additional finish coats									
Slow	275	440	202.00	9.35	2.25	45.91	10.93	10.95	79.39
Medium	300	428	176.70	10.92	3.14	41.29	13.84	8.31	77.50
Fast	325	415	151.50	12.28	4.35	36.51	16.47	4.87	74.48
Epoxy coating, 2 part system, clear (material #51)									
Roll 1st coat									
Slow	250	400	263.80	10.28	2.47	65.95	14.95	14.98	108.63
Medium	275	388	230.80	11.91	3.45	59.48	18.71	11.22	104.77
Fast	300	375	197.90	13.30	4.68	52.77	21.94	6.49	99.18
Roll 2nd or additional coats									
Slow	275	425	263.80	9.35	2.25	62.07	14.00	14.03	101.70
Medium	300	413	230.80	10.92	3.14	55.88	17.49	10.49	97.92
Fast	325	400	197.90	12.28	4.35	49.48	20.49	6.06	92.66

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Roll 1st coat									
Slow	250	400	255.10	10.28	2.47	63.78	14.54	14.57	105.64
Medium	275	388	223.20	11.91	3.45	57.53	18.22	10.93	102.04
Fast	300	375	191.30	13.30	4.68	51.01	21.39	6.33	96.71
Roll 2nd or additional coats									
Slow	275	425	255.10	9.35	2.25	60.02	13.61	13.64	98.87
Medium	300	413	223.20	10.92	3.14	54.04	17.03	10.22	95.35
Fast	325	400	191.30	12.28	4.35	47.83	19.98	5.91	90.35

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Heavy structural steel has from 100 to 150 square feet of surface area per ton. Extra heavy structural steel has from 50 to 100 square feet of surface area per ton. *Rule of thumb*: When coatings are applied by brush, a journeyman painter will apply a first coat on 6 to 7 tons per 8 hour day. When coatings are applied by spray, figure output at 0.2 hours per ton and material use at about 0.2 gallons per ton. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light-color finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, heavy, spray application</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Spray prime coat									
Slow	650	325	75.10	3.95	.96	23.11	5.32	5.33	38.67
Medium	750	313	65.70	4.37	1.24	20.99	6.66	3.99	37.25
Fast	850	300	56.30	4.69	1.68	18.77	7.79	2.30	35.23
Metal primer, rust inhibitor - rusty metal (material #36)									
Spray prime coat									
Slow	650	300	95.10	3.95	.96	31.70	6.95	6.97	50.53
Medium	750	288	83.20	4.37	1.24	28.89	8.63	5.18	48.31
Fast	850	275	71.30	4.69	1.68	25.93	10.01	2.96	45.27
Industrial enamel, oil base, high gloss - light colors (material #56)									
Spray 1st or additional finish coats									
Slow	750	340	179.60	3.43	.81	52.82	10.84	10.87	78.77
Medium	850	325	157.20	3.85	1.13	48.37	13.33	8.00	74.68
Fast	950	310	134.70	4.20	1.47	43.45	15.23	4.51	68.86
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	750	365	202.00	3.43	.81	55.34	11.32	11.35	82.25
Medium	850	350	176.70	3.85	1.13	50.49	13.86	8.32	77.65
Fast	950	335	151.50	4.20	1.47	45.22	15.78	4.67	71.34
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	650	325	263.80	3.95	.96	81.17	16.35	16.39	118.82
Medium	750	313	230.80	4.37	1.24	73.74	19.84	11.91	111.10
Fast	850	300	197.90	4.69	1.68	65.97	22.42	6.63	101.39
Spray 2nd or additional coats									
Slow	750	350	263.80	3.43	.81	75.37	15.13	15.16	109.90
Medium	850	338	230.80	3.85	1.13	68.28	18.31	10.99	102.56
Fast	950	325	197.90	4.20	1.47	60.89	20.64	6.10	93.30



*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Spray 1st coat									
Slow	650	325	255.10	3.95	.96	78.49	15.84	15.88	115.12
Medium	750	313	223.20	4.37	1.24	71.31	19.24	11.54	107.70
Fast	850	300	191.30	4.69	1.68	63.77	21.74	6.43	98.31
Spray 2nd or additional coats									
Slow	750	350	255.10	3.43	.81	72.89	14.66	14.69	106.48
Medium	850	338	223.20	3.85	1.13	66.04	17.75	10.65	99.42
Fast	950	325	191.30	4.20	1.47	58.86	20.01	5.92	90.46

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Heavy structural steel has from 100 to 150 square feet of surface area per ton. Extra heavy structural steel has from 50 to 100 square feet of surface area per ton. *Rule of thumb*: When coatings are applied by brush, a journeyman painter will apply a first coat on 6 to 7 tons per 8 hour day. When coatings are applied by spray, figure output at 0.2 hours per ton and material use at about 0.2 gallons per ton. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light-color finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, light, brush application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Brush prime coat									
Slow	60	425	75.10	42.83	10.30	17.67	13.45	13.48	97.73
Medium	80	413	65.70	40.94	11.82	15.91	17.17	10.30	96.14
Fast	100	400	56.30	39.90	14.08	14.08	21.10	6.24	95.40
Metal primer, rust inhibitor, rusty metal (material #36)									
Brush prime coat									
Slow	60	400	95.10	42.83	10.30	23.78	14.61	14.64	106.16
Medium	80	388	83.20	40.94	11.82	21.44	18.55	11.13	103.88
Fast	100	375	71.30	39.90	14.08	19.01	22.63	6.69	102.31
Industrial enamel, oil base, high gloss, light colors (material #56)									
Brush 1st or additional finish coats									
Slow	80	425	179.60	32.13	7.71	42.26	15.60	15.63	113.33
Medium	100	413	157.20	32.75	9.46	38.06	20.07	12.04	112.38
Fast	120	400	134.70	33.25	11.72	33.68	24.39	7.21	110.25
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Brush 1st or additional finish coats									
Slow	80	475	202.00	32.13	7.71	42.53	15.65	15.68	113.70
Medium	100	463	176.70	32.75	9.46	38.16	20.09	12.06	112.52
Fast	120	450	151.50	33.25	11.72	33.67	24.38	7.21	110.23
Epoxy coating, 2 part system, clear (material #51)									
Brush 1st coat									
Slow	60	425	263.80	42.83	10.30	62.07	21.88	21.93	159.01
Medium	80	413	230.80	40.94	11.82	55.88	27.16	16.30	152.10
Fast	100	400	197.90	39.90	14.08	49.48	32.07	9.49	145.02
Brush 2nd or additional coats									
Slow	80	450	263.80	32.13	7.71	58.62	18.71	18.75	135.92
Medium	100	438	230.80	32.75	9.46	52.69	23.73	14.24	132.87
Fast	120	425	197.90	33.25	11.72	46.56	28.38	8.40	128.31

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Brush 1st coat									
Slow	60	425	255.10	42.83	10.30	60.02	21.49	21.54	156.18
Medium	80	413	223.20	40.94	11.82	54.04	26.70	16.02	149.52
Fast	100	400	191.30	39.90	14.08	47.83	31.56	9.34	142.71
Brush 2nd or additional coats									
Slow	80	450	255.10	32.13	7.71	56.69	18.34	18.38	133.25
Medium	100	438	223.20	32.75	9.46	50.96	23.29	13.98	130.44
Fast	120	425	191.30	33.25	11.72	45.01	27.90	8.25	126.13

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Light structural steel has from 300 to 500 square feet of surface per ton. As a comparison, when coatings are applied by brush, a journeyman painter will apply a first coat on from 2 to 3 tons per 8 hour day. A second and subsequent coats can be applied on 3 to 4 tons per day. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, light, roll application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Roll and brush prime coat									
Slow	125	390	75.10	20.56	4.94	19.26	8.50	8.52	61.78
Medium	150	378	65.70	21.83	6.32	17.38	11.38	6.83	63.74
Fast	175	365	56.30	22.80	8.02	15.42	14.34	4.24	64.82
Metal primer, rust inhibitor, rusty metal (material #36)									
Roll and brush prime coat									
Slow	125	380	95.10	20.56	4.94	25.03	9.60	9.62	69.75
Medium	150	368	83.20	21.83	6.32	22.61	12.69	7.61	71.06
Fast	175	355	71.30	22.80	8.02	20.08	15.79	4.67	71.36
Industrial enamel, oil base, high gloss, light colors (material #56)									
Roll and brush 1st or additional finish coats									
Slow	175	390	179.60	14.69	3.51	46.05	12.21	12.24	88.70
Medium	200	378	157.20	16.38	4.73	41.59	15.68	9.41	87.79
Fast	225	365	134.70	17.73	6.24	36.90	18.88	5.58	85.33
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Roll and brush 1st or additional finish coats									
Slow	175	440	202.00	14.69	3.51	45.91	12.18	12.21	88.50
Medium	200	428	176.70	16.38	4.73	41.29	15.60	9.36	87.36
Fast	225	415	151.50	17.73	6.24	36.51	18.76	5.55	84.79
Epoxy coating, 2 part system, clear (material #51)									
Roll and brush 1st coat									
Slow	125	400	263.80	20.56	4.94	65.95	17.37	17.41	126.23
Medium	150	388	230.80	21.83	6.32	59.48	21.91	13.14	122.68
Fast	175	375	197.90	22.80	8.02	52.77	25.92	7.67	117.18
Roll and brush 2nd or additional coats									
Slow	175	425	263.80	14.69	3.51	62.07	15.26	15.29	110.82
Medium	200	413	230.80	16.38	4.73	55.88	19.25	11.55	107.79
Fast	225	400	197.90	17.73	6.24	49.48	22.78	6.74	102.97

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Roll and brush 1st coat									
Slow	125	400	255.10	20.56	4.94	63.78	16.96	17.00	123.24
Medium	150	388	223.20	21.83	6.32	57.53	21.42	12.85	119.95
Fast	175	375	191.30	22.80	8.02	51.01	25.38	7.51	114.72
Roll and brush 2nd or additional coats									
Slow	175	425	255.10	14.69	3.51	60.02	14.87	14.90	107.99
Medium	200	413	223.20	16.38	4.73	54.04	18.79	11.27	105.21
Fast	225	400	191.30	17.73	6.24	47.83	22.26	6.59	100.65

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Light structural steel has from 300 to 500 square feet of surface per ton. As a comparison, when coatings are applied by brush, a journeyman painter will apply a first coat on from 2 to 3 tons per 8 hour day. A second and subsequent coats can be applied on 3 to 4 tons per day. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, light, spray application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Spray prime coat									
Slow	400	325	75.10	6.43	1.54	23.11	5.91	5.92	42.91
Medium	500	313	65.70	6.55	1.89	20.99	7.36	4.41	41.20
Fast	600	300	56.30	6.65	2.36	18.77	8.61	2.55	38.94
Metal primer, rust inhibitor, rusty metal (material #36)									
Spray prime coat									
Slow	400	300	95.10	6.43	1.54	31.70	7.54	7.55	54.76
Medium	500	288	83.20	6.55	1.89	28.89	9.33	5.60	52.26
Fast	600	275	71.30	6.65	2.36	25.93	10.83	3.20	48.97
Industrial enamel, oil base, high gloss, light colors (material #56)									
Spray 1st or additional finish coats									
Slow	500	325	179.60	5.14	1.23	55.26	11.71	11.73	85.07
Medium	600	313	157.20	5.46	1.59	50.22	14.32	8.59	80.18
Fast	700	300	134.70	5.70	2.02	44.90	16.31	4.82	73.75
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	500	365	202.00	5.14	1.23	55.34	11.72	11.75	85.18
Medium	600	350	176.70	5.46	1.59	50.49	14.38	8.63	80.55
Fast	700	335	151.50	5.70	2.02	45.22	16.41	4.85	74.20
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	400	325	263.80	6.43	1.54	81.17	16.94	16.97	123.05
Medium	500	313	230.80	6.55	1.89	73.74	20.55	12.33	115.06
Fast	600	300	197.90	6.65	2.36	65.97	23.24	6.87	105.09
Spray 2nd or additional coats									
Slow	500	350	263.80	5.14	1.23	75.37	15.53	15.56	112.83
Medium	600	338	230.80	5.46	1.59	68.28	18.83	11.30	105.46
Fast	700	325	197.90	5.70	2.02	60.89	21.27	6.29	96.17

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Spray 1st coat									
Slow	400	325	255.10	6.43	1.54	78.49	16.43	16.46	119.35
Medium	500	313	223.20	6.55	1.89	71.31	19.94	11.96	111.65
Fast	600	300	191.30	6.65	2.36	63.77	22.56	6.67	102.01
Spray 2nd or additional coats									
Slow	500	350	255.10	5.14	1.23	72.89	15.06	15.09	109.41
Medium	600	338	223.20	5.46	1.59	66.04	18.27	10.96	102.32
Fast	700	325	191.30	5.70	2.02	58.86	20.64	6.10	93.32

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Light structural steel has from 300 to 500 square feet of surface per ton. The *rule of thumb* for labor output and material usage for spray application on light structural steel is shown in the table on the next page. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light-color finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor manhours per ton	Material gallons per ton	Material cost per gallon	Labor cost per ton	Labor burden per ton	Material cost per ton	Overhead per ton	Profit per ton	Total price per ton
<b>Structural steel, light, coating <i>rule of thumb</i>, spray, per ton</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Spray prime coat									
Slow	1.8	1.0	75.10	46.26	11.11	75.10	25.17	25.22	182.86
Medium	1.6	1.1	65.70	52.40	15.14	72.27	34.95	20.97	195.73
Fast	1.4	1.2	56.30	55.86	19.71	67.56	44.37	13.13	200.63
Metal primer, rust inhibitor, rusty metal (material #36)									
Spray prime coat									
Slow	1.8	1.0	95.10	46.26	11.11	95.10	28.97	29.03	210.47
Medium	1.6	1.1	83.20	52.40	15.14	91.52	39.77	23.86	222.69
Fast	1.4	1.2	71.30	55.86	19.71	85.56	49.95	14.78	225.86
Industrial enamel, oil base, high gloss, light colors (material #56)									
Spray 1st finish coat									
Slow	1.5	0.9	179.60	38.55	9.26	161.64	39.79	39.88	289.12
Medium	1.3	1.0	157.20	42.58	12.29	157.20	53.02	31.81	296.90
Fast	1.1	1.1	134.70	43.89	15.49	148.17	64.34	19.03	290.92
Spray 2nd or additional finish coats									
Slow	1.1	0.8	179.60	28.27	6.79	143.68	33.96	34.03	246.73
Medium	1.0	0.9	157.20	32.75	9.46	141.48	45.92	27.55	257.16
Fast	0.9	1.0	134.70	35.91	12.67	134.70	56.82	16.81	256.91
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Spray 1st finish coat									
Slow	1.5	0.9	202.00	38.55	9.26	181.80	43.62	43.72	316.95
Medium	1.3	1.0	176.70	42.58	12.29	176.70	57.90	34.74	324.21
Fast	1.1	1.1	151.50	43.89	15.49	166.65	70.07	20.73	316.83
Spray 2nd or additional finish coats									
Slow	1.1	0.8	202.00	28.27	6.79	161.60	37.36	37.44	271.46
Medium	1.0	0.9	176.70	32.75	9.46	159.03	50.31	30.19	281.74
Fast	0.9	1.0	151.50	35.91	12.67	151.50	62.03	18.35	280.46

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.



	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, medium, brush application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Brush prime coat									
Slow	80	425	75.10	32.13	7.71	17.67	10.93	10.95	79.39
Medium	100	413	65.70	32.75	9.46	15.91	14.53	8.72	81.37
Fast	120	400	56.30	33.25	11.72	14.08	18.31	5.42	82.78
Metal primer, rust inhibitor, rusty metal (material #36)									
Brush prime coat									
Slow	80	400	95.10	32.13	7.71	23.78	12.09	12.11	87.82
Medium	100	388	83.20	32.75	9.46	21.44	15.91	9.55	89.11
Fast	120	375	71.30	33.25	11.72	19.01	19.84	5.87	89.69
Industrial enamel, oil base, high gloss, light colors (material #56)									
Brush 1st or additional finish coats									
Slow	100	425	179.60	25.70	6.17	42.26	14.08	14.11	102.32
Medium	125	413	157.20	26.20	7.57	38.06	17.96	10.77	100.56
Fast	150	400	134.70	26.60	9.40	33.68	21.60	6.39	97.67
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Brush 1st or additional finish coats									
Slow	100	475	202.00	25.70	6.17	42.53	14.14	14.17	102.71
Medium	125	463	176.70	26.20	7.57	38.16	17.98	10.79	100.70
Fast	150	450	151.50	26.60	9.40	33.67	21.59	6.39	97.65
Epoxy coating, 2 part system, clear (material #51)									
Brush 1st coat									
Slow	80	425	263.80	32.13	7.71	62.07	19.36	19.40	140.67
Medium	100	413	230.80	32.75	9.46	55.88	24.52	14.71	137.32
Fast	120	400	197.90	33.25	11.72	49.48	29.29	8.66	132.40
Brush 2nd or additional coats									
Slow	100	450	263.80	25.70	6.17	58.62	17.19	17.23	124.91
Medium	125	438	230.80	26.20	7.57	52.69	21.62	12.97	121.05
Fast	150	425	197.90	26.60	9.40	46.56	25.59	7.57	115.72

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Brush 1st coat									
Slow	80	425	255.10	32.13	7.71	60.02	18.97	19.01	137.84
Medium	100	413	223.20	32.75	9.46	54.04	24.06	14.44	134.75
Fast	120	400	191.30	33.25	11.72	47.83	28.77	8.51	130.08
Brush 2nd or additional coats									
Slow	100	450	255.10	25.70	6.17	56.69	16.83	16.86	122.25
Medium	125	438	223.20	26.20	7.57	50.96	21.18	12.71	118.62
Fast	150	425	191.30	26.60	9.40	45.01	25.11	7.43	113.55

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Medium structural steel has from 150 to 300 square feet of surface per ton. As a comparison, when coatings are applied by brush, a journeyman painter will apply a first coat on 4 to 5 tons per 8 hour day. A second and subsequent coat can be applied on 5 to 6 tons per day. When coatings are applied by spray, figure output at 0.6 hours per ton and material use at about 0.6 gallons per ton. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, medium, roll and brush application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Roll and brush prime coat									
Slow	200	390	75.10	12.85	3.09	19.26	6.69	6.70	48.59
Medium	225	378	65.70	14.56	4.18	17.38	9.04	5.42	50.58
Fast	250	365	56.30	15.96	5.63	15.42	11.47	3.39	51.87
Metal primer, rust inhibitor, rusty metal (material #36)									
Roll and brush prime coat									
Slow	200	380	95.10	12.85	3.09	25.03	7.78	7.80	56.55
Medium	225	368	83.20	14.56	4.18	22.61	10.35	6.21	57.91
Fast	250	355	71.30	15.96	5.63	20.08	12.92	3.82	58.41
Industrial enamel, oil base, high gloss, light colors (material #56)									
Roll and brush 1st or additional finish coats									
Slow	225	390	179.60	11.42	2.73	46.05	11.44	11.46	83.10
Medium	250	378	157.20	13.10	3.78	41.59	14.62	8.77	81.86
Fast	275	365	134.70	14.51	5.14	36.90	17.52	5.18	79.25
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Roll and brush 1st or additional finish coats									
Slow	225	440	202.00	11.42	2.73	45.91	11.41	11.44	82.91
Medium	250	428	176.70	13.10	3.78	41.29	14.55	8.73	81.45
Fast	275	415	151.50	14.51	5.14	36.51	17.40	5.15	78.71
Epoxy coating, 2 part system, clear (material #51)									
Roll and brush 1st coat									
Slow	200	400	263.80	12.85	3.09	65.95	15.56	15.59	113.04
Medium	225	388	230.80	14.56	4.18	59.48	19.56	11.74	109.52
Fast	250	375	197.90	15.96	5.63	52.77	23.05	6.82	104.23
Roll and brush 2nd or additional coats									
Slow	225	425	263.80	11.42	2.73	62.07	14.48	14.51	105.21
Medium	250	413	230.80	13.10	3.78	55.88	18.19	10.92	101.87
Fast	275	400	197.90	14.51	5.14	49.48	21.42	6.34	96.89

# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Roll and brush 1st coat									
Slow	200	400	255.10	12.85	3.09	63.78	15.14	15.18	110.04
Medium	225	388	223.20	14.56	4.18	57.53	19.08	11.45	106.80
Fast	250	375	191.30	15.96	5.63	51.01	22.51	6.66	101.77
Roll and brush 2nd or additional coats									
Slow	225	425	255.10	11.42	2.73	60.02	14.09	14.12	102.38
Medium	250	413	223.20	13.10	3.78	54.04	17.73	10.64	99.29
Fast	275	400	191.30	14.51	5.14	47.83	20.91	6.19	94.58


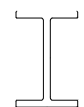

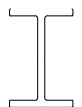
For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Medium structural steel has from 150 to 300 square feet of surface per ton. As a comparison, when coatings are applied by brush, a journeyman painter will apply a first coat on 4 to 5 tons per 8 hour day. A second and subsequent coat can be applied on 5 to 6 tons per day. When coatings are applied by spray, figure output at 0.6 hours per ton and material use at about 0.6 gallons per ton. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Structural steel, medium, spray application</b>									
Metal primer, rust inhibitor, clean metal (material #35)									
Spray prime coat									
Slow	500	325	75.10	5.14	1.23	23.11	5.60	5.61	40.69
Medium	600	313	65.70	5.46	1.59	20.99	7.01	4.20	39.25
Fast	700	300	56.30	5.70	2.02	18.77	8.21	2.43	37.13
Metal primer, rust inhibitor, rusty metal (material #36)									
Spray prime coat									
Slow	500	300	95.10	5.14	1.23	31.70	7.23	7.25	52.55
Medium	600	288	83.20	5.46	1.59	28.89	8.98	5.39	50.31
Fast	700	275	71.30	5.70	2.02	25.93	10.43	3.08	47.16
Industrial enamel, oil base, high gloss, light colors (material #56)									
Spray 1st or additional finish coats									
Slow	600	325	179.60	4.28	1.04	55.26	11.51	11.53	83.62
Medium	700	313	157.20	4.68	1.36	50.22	14.06	8.44	78.76
Fast	800	300	134.70	4.99	1.76	44.90	16.01	4.74	72.40
Industrial enamel, oil base, high gloss, dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	600	365	202.00	4.28	1.04	55.34	11.52	11.55	83.73
Medium	700	350	176.70	4.68	1.36	50.49	14.13	8.48	79.14
Fast	800	335	151.50	4.99	1.76	45.22	16.11	4.77	72.85
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	500	325	263.80	5.14	1.23	81.17	16.63	16.67	120.84
Medium	600	313	230.80	5.46	1.59	73.74	20.20	12.12	113.11
Fast	700	300	197.90	5.70	2.02	65.97	22.84	6.76	103.29
Spray 2nd or additional coats									
Slow	600	350	263.80	4.28	1.04	75.37	15.33	15.36	111.38
Medium	700	338	230.80	4.68	1.36	68.28	18.58	11.15	104.05
Fast	800	325	197.90	4.99	1.76	60.89	20.97	6.20	94.81

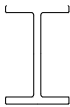


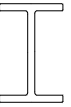
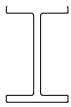

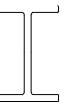
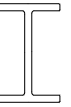


# National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Spray 1st coat									
Slow	500	325	255.10	5.14	1.23	78.49	16.12	16.16	117.14
Medium	600	313	223.20	5.46	1.59	71.31	19.59	11.75	109.70
Fast	700	300	191.30	5.70	2.02	63.77	22.16	6.55	100.20
Spray 2nd or additional coats									
Slow	600	350	255.10	4.28	1.04	72.89	14.86	14.89	107.96
Medium	700	338	223.20	4.68	1.36	66.04	18.02	10.81	100.91
Fast	800	325	191.30	4.99	1.76	58.86	20.34	6.02	91.97

For field painting at heights above 8 feet, use the High Time Difficulty Factors on page 139. Medium structural steel has from 150 to 300 square feet of surface per ton. As a comparison, when coatings are applied by brush, a journeyman painter will apply a first coat on 4 to 5 tons per 8 hour day. A second and subsequent coat can be applied on 5 to 6 tons per day. When coatings are applied by spray, figure output at 0.6 hours per ton and material use at about 0.6 gallons per ton. Use Figure 23 on pages 391 to 399 to convert structural steel linear feet or tonnage to surface area. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off white or another light colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.


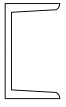



Section designation		Square feet of surface area per foot of length		Square feet of surface area per ton	
					
			Minus one flange side	All around	Minus one flange side
					All around
W 30	x 99	7.56	8.43	152.7	170.3
	x 94	6.99	7.81	148.7	166.2
	x 84	6.99	7.79	166.4	185.5
W 24	x 100	7.00	8.00	140.0	160.0
	x 94	6.29	7.04	133.8	149.8
	x 84	6.27	7.02	149.3	167.1
	x 76	6.23	6.98	163.9	183.7
	x 68	6.21	6.96	182.6	204.7
	x 61	5.71	6.29	187.2	206.2
	x 55	5.67	6.25	206.2	227.2
W 21	x 96	5.77	6.52	120.2	135.8
	x 82	5.73	6.48	139.8	158.0
	x 73	5.60	6.29	153.4	172.3
	x 68	5.58	6.57	164.1	184.4
	x 62	5.56	6.25	179.4	201.6
	x 55	5.52	6.21	200.7	225.8
	x 49	5.10	5.65	208.2	230.6
	x 44	5.08	5.63	230.9	255.9
W 18	x 96	5.96	6.94	124.2	144.6
	x 85	5.28	6.02	124.2	141.6
	x 77	5.22	5.95	135.6	154.5
	x 70	5.19	5.92	148.3	169.1
	x 64	5.17	5.90	161.6	184.4
	x 60	4.92	5.54	164.0	184.7
	x 55	4.90	5.52	178.1	200.7
	x 50	4.88	5.50	195.2	220.0
	x 45	4.85	5.48	215.6	243.6
	x 40	4.48	4.98	224.0	249.0
	x 35	4.46	4.96	254.9	283.4
W 16	x 96	5.60	6.56	116.7	136.7
	x 88	5.57	6.53	126.6	148.4
	x 78	4.88	5.60	125.1	143.6
	x 71	4.82	5.53	135.8	155.8
	x 64	4.79	5.50	149.7	171.9
	x 58	4.77	5.48	164.5	189.0
	x 50	4.51	5.10	180.4	204.0
	x 45	4.45	5.03	197.8	223.6
	x 40	4.42	5.00	221.0	250.0
	x 36	4.40	4.98	244.4	276.7
	x 31	4.02	4.48	259.4	289.0
	x 26	3.98	4.44	306.2	341.5
W 14	x 95	5.99	7.20	126.1	151.6
	x 87	5.96	7.17	137.0	164.8
	x 84	5.36	6.36	127.6	151.4
W 12	x 78	5.33	6.33	136.7	162.3
	x 74	4.92	5.77	133.0	155.9
	x 68	4.83	5.67	142.1	166.8
	x 61	4.81	5.65	157.7	185.2
	x 53	4.33	5.00	163.4	188.7
	x 48	4.29	4.96	178.8	206.7
	x 43	4.27	4.94	198.6	229.8
	x 38	4.04	4.60	212.6	242.1
	x 34	4.02	4.58	236.5	269.4
	x 30	4.00	4.56	266.7	304.0
	x 26	3.56	3.98	273.8	306.2
W 10	x 22	3.54	3.96	321.8	360.0
	x 99	5.19	6.21	104.8	125.4
	x 92	5.14	6.15	111.7	133.7
	x 85	5.12	6.13	120.5	144.2
	x 79	5.09	6.10	128.9	154.4
	x 72	5.04	6.04	140.0	167.8
	x 65	5.02	6.02	154.5	185.2
	x 58	4.54	5.38	156.6	185.5
	x 53	4.50	5.33	169.8	201.1
	x 50	4.07	4.75	162.8	190.0
	x 45	4.00	4.67	177.8	207.6
	x 40	4.00	4.67	200.0	233.5
	x 36	3.70	4.25	205.6	236.1
	x 31	3.65	4.19	235.5	270.3
	x 27	3.63	4.17	268.9	308.9
W 10	x 22	3.04	3.38	276.4	307.3
	x 19	3.02	3.35	317.9	352.6
	x 16.5	3.00	3.33	363.6	403.6
W 10	x 14	2.98	3.31	425.7	472.9
	x 100	4.45	5.31	89.0	106.2
	x 89	4.38	5.23	98.4	117.5
W 10	x 77	4.33	5.19	112.5	134.8
	x 72	4.28	5.13	118.9	142.5
	x 66	4.26	5.10	129.1	154.5
W 10	x 60	4.24	5.08	141.3	169.3

**Figure 23**  
Structural steel conversion table



Section designation		Square feet of surface area per foot of length		Square feet of surface area per ton		Section designation		Square feet of surface area per foot of length		Square feet of surface area per ton	
											
		Minus one flange side	All around	Minus one flange side	All around			Minus one flange side	All around	Minus one flange side	All around
W 10	x 54	4.19	5.02	155.2	185.9	S-20	x 95	5.15	5.75	108.4	121.1
	x 49	4.17	5.00	170.2	204.0		x 85	5.08	5.67	119.5	133.4
	x 45	3.69	4.35	164.0	193.3		x 75	4.93	5.46	131.5	145.6
	x 39	3.67	4.33	188.2	222.1		x 65.4	4.90	5.42	149.8	165.7
	x 33	3.63	4.29	220.0	260.0						
	x 29	3.15	3.63	217.2	250.3						
	x 25	3.13	3.60	250.4	288.0	S-18	x 70	4.56	5.08	130.3	145.1
	x 21	3.08	3.56	293.3	339.0		x 54.7	4.50	5.00	164.5	182.8
	x 19	2.71	3.04	285.3	320.0						
	x 17	2.69	3.02	316.5	355.3	S-15	x 50	3.91	4.38	156.4	175.2
	x 15	2.67	3.00	356.0	400.0		x 42.9	3.88	4.33	180.9	201.9
	x 11.5	2.65	2.98	460.9	518.3						
W 8	x 67	3.56	4.25	106.3	126.9	S-12	x 50	3.38	3.83	135.2	153.2
	x 58	3.52	4.21	121.4	145.2		x 40.8	3.31	3.75	162.3	183.8
	x 48	3.45	4.13	143.8	172.1		x 35	3.28	3.71	187.4	212.0
	x 40	3.41	4.08	170.5	204.0		x 31.8	3.25	3.67	204.4	230.8
	x 35	3.35	4.02	191.4	229.7	S-10	x 35	2.92	3.33	166.9	190.2
	x 31	3.33	4.00	214.8	258.1		x 25.4	2.82	3.21	222.0	252.8
	x 28	2.96	3.50	211.4	250.0						
	x 24	2.94	3.48	245.0	290.0	S-8	x 23	2.36	2.71	205.2	235.7
	x 20	2.67	3.10	267.0	310.0		x 18.4	2.33	2.67	253.3	290.2
	x 17	2.65	3.08	311.8	362.4						
	x 15	2.35	2.69	313.3	358.7	S-7	x 20	2.14	2.46	214.0	246.0
	x 13	2.33	2.67	358.5	410.8		x 15.3	2.07	2.38	270.6	311.1
	x 10	2.31	2.65	462.0	530.0						
W 6	x 25	2.59	3.10	207.2	248.0	S-6	x 17.25	1.91	2.21	221.4	256.2
	x 20	2.54	3.04	254.0	304.0		x 12.5	1.84	2.13	294.4	340.8
	x 15.5	2.50	3.00	322.6	387.1						
	x 16	2.04	2.38	255.0	297.5	S-5	x 14.75	1.65	1.92	223.7	260.3
	x 12	2.00	2.33	333.3	388.3		x 10	1.58	1.83	316.0	366.0
	x 8.5	1.98	2.31	465.9	543.5						
W 5	x 18.5	2.10	2.52	227.0	272.4	S-4	x 9.5	1.35	1.58	284.2	332.6
	x 16	2.08	2.50	260.0	312.5		x 7.7	1.32	1.54	342.9	400.0
W 4	x 13	1.69	2.02	260.0	310.8	S-3	x 7.5	1.13	1.33	301.3	354.7
							x 5.7	1.09	1.29	382.5	452.6
S-24	x 90	5.78	6.38	128.4	141.8	Miscellaneous shape					
	x 79.9	5.75	6.33	143.9	158.4	M-5	x 18.9	2.08	2.50	220.1	264.6

**Figure 23 (cont'd)**  
Structural steel conversion table




Section designation		Square feet of surface area per foot of length		Square feet of surface area per ton	
					
		Minus one flange side	All around	Minus one flange side	All around
					
C-15	x 50	3.44	3.75	137.6	150.0
	x 40	3.38	3.67	169.0	183.5
	x 33.9	3.34	3.63	197.1	214.2
C-12	x 30	2.78	3.04	185.3	202.7
	x 25	2.75	3.00	220.0	240.0
	x 20.7	2.75	3.00	265.7	289.9
C-10	x 30	2.42	2.67	161.3	178.0
	x 25	2.39	2.63	191.2	210.4
	x 20	2.35	2.58	235.0	258.0
	x 15.3	2.32	2.54	305.3	334.2
C-9	x 20	2.16	2.38	216.0	238.0
	x 15	2.13	2.33	284.0	310.7
	x 13.4	2.09	2.29	311.9	341.8
C-8	x 18.75	1.96	2.17	209.1	231.5
	x 13.75	1.93	2.13	280.7	309.8
	x 11.5	1.90	2.08	330.4	361.7
C-7	x 14.75	1.73	1.92	234.6	260.3
	x 12.25	1.73	1.92	282.4	313.5
	x 9.8	1.70	1.88	346.9	383.7
C-6	x 13	1.53	1.71	235.4	263.1
	x 10.5	1.50	1.67	285.7	318.1
	x 8.2	1.47	1.63	358.5	397.6
C-5	x 9	1.30	1.46	288.9	324.4
	x 6.7	1.27	1.42	379.1	423.9
C-4	x 7.25	1.10	1.25	295.2	344.8
	x 5.4	1.07	1.21	396.3	448.1
C-3	x 6	.91	1.04	303.3	346.7
	x 5	.88	1.00	352.0	400.0
	x 4.1	.84	.96	409.8	468.3
MC-18	x 58	4.06	4.42	140.0	152.4
	x 51.9	4.03	4.38	155.3	168.8
	x 45.8	4.00	4.33	176.7	189.1
	x 42.7	4.00	4.33	187.4	202.8
MC-13	x 50	3.26	3.63	130.4	145.2
	x 40	3.20	3.54	160.0	177.0
	x 35	3.20	3.54	182.9	202.3
	x 31.8	3.17	3.50	199.4	220.1
MC-12 x 50		3.03	3.38	121.2	135.2
x 45		3.00	3.33	133.3	148.0
x 40		2.97	3.29	148.5	164.5
x 35		2.94	3.25	168.0	185.7
x 37		2.91	3.21	157.3	173.5
x 32.9		2.88	3.17	175.1	192.7
x 30.9		2.88	3.17	186.4	205.2
MC-10 x 41.1		2.76	3.13	134.3	152.3
x 33.6		2.70	3.04	160.7	181.0
x 28.5		2.67	3.00	187.4	210.5
x 28.3		2.54	2.83	179.5	200.0
x 25.3		2.54	2.83	200.8	223.7
x 24.9		2.51	2.79	201.6	224.1
x 21.9		2.54	2.83	232.0	258.4
MC-9 x 25.4		2.38	2.67	187.4	210.2
x 23.9		2.38	2.67	199.2	223.4
MC-8 x 22.8		2.21	2.50	193.9	219.3
x 21.4		2.21	2.50	206.5	233.6
x 20		2.08	2.33	208.0	233.0
x 18.7		2.08	2.33	222.5	249.2
MC-7 x 22.7		2.07	2.38	182.4	209.7
x 19.1		2.04	2.33	213.6	244.0
x 17.6		1.92	2.17	218.2	246.6
MC-6 x 18		1.88	2.17	208.9	241.1
x 15.3		1.88	2.17	245.8	283.7
x 16.3		1.75	2.00	214.7	245.4
x 15.1		1.75	2.00	231.8	264.9
x 12		1.63	1.83	271.7	305.0
MC-3 x 9		1.03	1.21	228.9	268.9
x 7.1		1.00	1.17	281.7	329.6

**Figure 23 (cont'd)**  
Structural steel conversion table


							
Section designation		Surface area per foot of length	Surface area per ton	Section designation		Surface area per foot of length	Surface area per ton
ST 18	x 97	5.06	104.3	ST 10.5	x 71	3.97	111.8
	x 91	5.04	110.8		x 63.5	3.95	124.4
	x 85	5.02	118.1		x 56	3.92	140.0
	x 80	5.00	125.0		x 48	3.27	136.3
	x 75	4.98	132.8		x 41	3.23	157.6
	x 67.5	4.95	147.0		x 36.5	3.15	172.6
ST 16.5	x 76	4.72	124.2		x 34	3.14	184.7
	x 70.5	4.70	133.3		x 31	3.12	201.3
	x 65	4.38	144.0		x 27.5	3.10	225.5
	x 59	4.65	157.6		x 24.5	2.82	230.2
ST 15	x 95	5.02	105.7		x 22	2.81	255.5
	x 86	4.99	116.0	ST 9	x 57	3.51	123.2
	x 66	4.28	129.7		x 52.5	3.49	133.0
	x 62	4.27	137.7		x 48	3.47	144.6
	x 58	4.25	146.6		x 42.5	3.00	141.2
	x 54	4.23	156.7		x 38.5	2.98	154.8
	x 49.5	4.21	170.1		x 35	2.96	169.1
ST 13.5	x 88.5	4.63	104.6		x 32	2.94	183.8
	x 80	4.59	114.8		x 30	2.78	185.3
	x 72.5	4.57	126.1		x 27.5	2.77	201.5
	x 57	3.95	138.6		x 25	2.75	220.0
	x 51	3.93	154.1		x 22.5	2.73	242.7
	x 47	3.91	166.4		x 20	2.49	249.0
	x 42	3.89	185.2		x 17.5	2.48	283.4
ST 12	x 80	4.41	110.3	ST 8	x 48	3.28	136.7
	x 72.5	4.38	120.8		x 44	3.26	148.2
	x 65	4.36	134.1		x 39	2.79	143.1
	x 60	4.04	134.7		x 35.5	2.77	156.1
	x 55	4.02	146.2		x 32	2.76	172.5
	x 50	4.00	160.0		x 29	2.73	188.3
	x 47	3.54	150.6		x 25	2.53	202.4
	x 42	3.51	167.1		x 22.5	2.52	224.0
	x 38	3.49	183.7		x 20	2.50	250.0
	x 34	3.47	204.1		x 18	2.49	276.7
	x 30.5	3.15	206.6		x 15.5	2.24	289.0
	x 27.5	3.13	227.6		x 13	2.22	341.5

**Figure 23 (cont'd)**  
Structural steel conversion table



Section designation	Surface area per foot of length	Surface area per ton
ST 7 x 88	3.88	88.2
x 83.5	3.86	92.5
x 79	3.84	97.2
x 75	3.83	102.1
x 71	3.81	107.3
x 68	3.69	108.5
x 63.5	3.67	115.6
x 59.5	3.65	122.7
x 55.5	3.64	131.2
x 51.5	3.62	140.6
x 47.5	3.60	151.6
x 43.5	3.58	164.6
x 42	3.19	151.9
x 39	3.17	162.6
x 37	2.86	154.6
x 34	2.85	167.6
x 30.5	2.83	185.6
x 26.5	2.51	189.4
x 24	2.49	207.5
x 21.5	2.47	229.8
x 19	2.31	243.2
x 17	2.29	269.4
x 15	2.28	304.0
x 13	2.00	307.7
x 11	1.98	360.0


ST 6 x 95	3.31	69.7
x 80.5	3.24	80.5
x 66.5	3.18	97.8
x 60	3.15	105.6
x 53	3.11	117.4
x 49.5	3.10	125.3
x 46	3.08	133.9
x 42.5	3.06	144.0
x 39.5	3.05	154.4
x 36	3.03	168.3
x 32.5	3.01	185.2
x 29	2.69	185.5
x 26.5	2.67	201.5
x 25	2.36	188.8
x 22.5	2.35	208.9



Section designation	Surface area per foot of length	Surface area per ton
ST 6 x 20	2.33	233.0
x 18	2.11	234.4
x 15.5	2.10	271.0
x 13.5	2.08	308.1
x 11	1.70	309.1
x 9.5	1.68	353.7
x 8.25	1.67	404.8
x 7	1.65	471.4
ST 5 x 56	2.68	95.7
x 50	2.65	106.0
x 44.5	2.62	117.8
x 38.5	2.58	134.0
x 36	2.57	142.8
x 33	2.55	154.5
x 30	2.53	168.7
x 27	2.51	185.9
x 24.5	2.50	204.1
x 22.5	2.18	193.8
x 19.5	2.16	221.5
x 16.5	2.14	259.4
x 14.5	1.82	251.0
x 12.5	1.80	288.0
x 10.5	1.78	339.0
x 9.5	1.53	322.1
x 8.5	1.51	355.3
x 7.5	1.50	400.0
x 5.75	1.48	514.8

ST 4 x 33.5	2.13	127.7
x 29	2.10	144.8
x 24	2.06	171.7
x 20	2.03	203.0
x 17.5	2.01	229.7
x 15.5	2.00	258.1
x 14	1.76	251.4
x 12	1.75	291.7
x 10	1.56	312.0
x 8.5	1.54	362.4
x 7.5	1.35	360.0
x 6.5	1.33	409.2
x 5	1.31	524.0


**Figure 23 (cont'd)**  
Structural steel conversion table



Section designation	Surface area per foot of length	Surface area per ton
ST 3 x 12.5	1.55	248.0
x 10	1.52	304.0
x 7.75	1.50	387.1
x 8	1.19	297.5
x 6	1.17	390.0
x 4.25	1.14	536.5
ST 2.5 x 9.25	1.26	272.4
x 8	1.25	312.5
ST 2 x 6.5	1.02	313.8


**Tees cut from American standard shapes**


ST 12 x 60	3.34	111.3
x 52.95	3.31	125.0
x 50	3.21	128.4
x 45	3.19	141.8
x 39.95	3.17	158.7
ST 10 x 47.5	2.87	120.8
x 42.5	2.84	133.6
x 37.5	2.73	145.6
x 32.7	2.70	165.1
ST 9 x 35	2.54	145.1
x 27.35	2.50	182.8
ST 7.5 x 25	2.19	175.2
x 21.45	2.17	202.3




Section designation	Surface area per foot of length	Surface area per ton
ST 6 x 25	1.91	152.8
x 20.4	1.88	184.3
x 17.5	1.85	211.4
x 15.9	1.83	230.2
ST 5 x 17.5	1.66	189.7
x 12.7	1.61	253.5
ST 4 x 11.5	1.36	236.5
x 9.2	1.33	289.1
ST 3.5 x 10	1.23	246.0
x 7.65	1.19	311.0
ST 3 x 8.625	1.09	252.8
x 6.25	1.06	339.2
ST 2.5 x 7.375	.96	260.3
x 5	.92	368.0
ST 2 x 4.75	.80	336.8
x 3.85	.78	405.2
<b>Miscellaneous tee (cut from M5 x 18.9)</b>		
MT 2.5 x 9.45	.83	175.7


**Figure 23 (cont'd)**  
Structural steel conversion table

			Surface area per foot of length	Surface area per ton
Section designation				
L 8	x 8	x 1-1/8	2.67	93.8
	x 8	x 1	2.67	104.7
	x 8	x 1	2.67	118.7
	x 8	x 7/8	2.67	118.7
	x 8	x 3/4	2.67	137.3
	x 8	x 5/8	2.67	163.3
	x 8	x 9/16	2.67	180.4
	x 8	x 1/2	2.67	202.3
L 6	x 6	x 1	2.00	107.0
	x 6	x 7/8	2.00	120.8
	x 6	x 3/4	2.00	139.4
	x 6	x 5/8	2.00	165.3
	x 6	x 9/16	2.00	182.6
	x 6	x 1/2	2.00	204.1
	x 6	x 7/16	2.00	232.6
	x 6	x 3/8	2.00	268.5
	x 6	x 5/16	2.00	322.6
L5	x 5	x 7/8	1.67	122.8
	x 5	x 3/4	1.67	141.5
	x 5	x 5/8	1.67	167.0
	x 5	x 1/2	1.67	206.2
	x 5	x 7/16	1.67	233.6
	x 5	x 3/8	1.67	271.5
	x 5	x 5/16	1.67	324.3
L 4	x 4	x 3/4	1.33	143.8
	x 4	x 5/8	1.33	169.4
	x 4	x 1/2	1.33	207.8
	x 4	x 7/16	1.33	235.4
	x 4	x 3/8	1.33	271.4
	x 4	x 5/16	1.33	324.4
	x 4	x 1/4	1.33	403.0
L 3-1/2	x 3-1/2	x 1/2	1.17	210.8
	x 3-1/2	x 7/16	1.17	238.8
	x 3-1/2	x 3/8	1.17	275.3
	x 3-1/2	x 5/16	1.17	325.0
	x 3-1/2	x 1/4	1.17	403.4



			Surface area per foot of length	Surface area per ton
Section designation				
L 3	x 3	x 1/2	1.00	212.8
	x 3	x 7/16	1.00	241.0
	x 3	x 3/8	1.00	277.8
	x 3	x 5/16	1.00	327.9
	x 3	x 1/4	1.00	408.2
	x 3	x 3/16	1.00	539.1
L 2-1/2	x 2-1/2	x 1/2	.83	215.6
	x 2-1/2	x 3/8	.83	281.4
	x 2-1/2	x 5/16	.83	332.0
	x 2-1/2	x 1/4	.83	404.9
	x 2-1/2	x 3/16	.83	540.7
L 2	x 2	x 3/8	.67	285.1
	x 2	x 5/16	.67	341.8
	x 2	x 1/4	.67	420.1
	x 2	x 3/16	.67	549.2
	x 2	x 1/8	.67	812.1
L 1-3/4	x 1-3/4	x 1/4	.58	418.8
	x 1-3/4	x 3/16	.58	547.2
	x 1-3/4	x 1/8	.58	805.6
L 1-1/2	x 1-1/2	x 1/4	.50	427.4
	x 1-1/2	x 3/16	.50	555.6
	x 1-1/2	x 5/32	.50	657.9
	x 1-1/2	x 1/8	.50	813.0
L 1-1/4	x 1-1/4	x 1/4	.42	437.5
	x 1-1/4	x 3/16	.42	567.6
	x 1-1/4	x 1/8	.42	831.7
L 1	x 1	x 1/4	.33	443.0
	x 1	x 3/16	.33	569.0
	x 1	x 1/8	.33	825.0

**Figure 23 (cont'd)**  
Structural steel conversion table

			Surface area per foot of length	Surface area per ton
Section designation				
L 9	x 4	x 1	2.17	106.4
	x 4	x 7/8	2.17	120.2
	x 4	x 3/4	2.17	138.7
	x 4	x 5/8	2.17	165.0
	x 4	x 9/16	2.17	182.4
	x 4	x 1/2	2.17	203.8
L 8	x 6	x 1	2.33	105.4
	x 6	x 7/8	2.33	119.2
	x 6	x 3/4	2.33	137.9
	x 6	x 5/8	2.33	163.5
	x 6	x 9/16	2.33	181.3
	x 6	x 1/2	2.33	202.6
L 8	x 6	x 7/16	2.33	230.7
L 8	x 4	x 1	2.00	107.0
	x 4	x 7/8	2.00	120.8
	x 4	x 3/4	2.00	139.4
	x 4	x 5/8	2.00	165.3
	x 4	x 9/16	2.00	182.6
L 8	x 4	x 1/2	2.00	204.1
	x 4	x 7/16	2.00	232.6
L 7	x 4	x 7/8	1.83	121.2
	x 4	x 3/4	1.83	139.7
	x 4	x 5/8	1.83	165.6
	x 4	x 9/16	1.83	183.0
	x 4	x 1/2	1.83	204.5
	x 4	x 7/16	1.83	231.6
L 7	x 4	x 3/8	1.83	269.1
L 6	x 4	x 7/8	1.67	122.8
	x 4	x 3/4	1.67	141.5
	x 4	x 5/8	1.67	167.0
	x 4	x 9/16	1.67	184.5
	x 4	x 1/2	1.67	206.2
	x 4	x 7/16	1.67	233.6
L 6	x 4	x 3/8	1.67	271.5
	x 4	x 5/16	1.67	324.3
	x 4	x 1/4	1.67	402.4
L 6	x 3-1/2	x 1/2	1.58	206.5
	x 3-1/2	x 3/8	1.58	270.1
	x 3-1/2	x 5/16	1.58	322.4
	x 3-1/2	x 1/4	1.58	400.0

			Surface area per foot of length	Surface area per ton
Section designation				
L 5	x 3-1/2	x 3/4	1.42	143.4
	x 3-1/2	x 5/8	1.42	169.0
	x 3-1/2	x 1/2	1.42	208.8
	x 3-1/2	x 7/16	1.42	236.7
	x 3-1/2	x 3/8	1.42	273.1
	x 3-1/2	x 5/16	1.42	326.4
L 5	x 3-1/2	x 1/4	1.42	405.7
L 5	x 3	x 1/2	1.33	207.8
	x 3	x 7/16	1.33	235.4
	x 3	x 3/8	1.33	271.4
	x 3	x 5/16	1.33	324.4
	x 3	x 1/4	1.33	403.0
L 4	x 3-1/2	x 5/8	1.25	170.1
	x 3-1/2	x 1/2	1.25	210.1
	x 3-1/2	x 7/16	1.25	235.8
	x 3-1/2	x 3/8	1.25	274.7
	x 3-1/2	x 5/16	1.25	324.7
	x 3-1/2	x 1/4	1.25	403.2
L 4	x 3	x 5/8	1.17	172.1
	x 3	x 1/2	1.17	210.8
	x 3	x 7/16	1.17	238.8
	x 3	x 3/8	1.17	275.3
	x 3	x 5/16	1.17	325.0
	x 3	x 1/4	1.17	403.4
L 3-1/2	x 3	x 1/2	1.08	211.8
	x 3	x 7/16	1.08	237.4
	x 3	x 3/8	1.08	273.4
	x 3	x 5/16	1.08	327.3
	x 3	x 1/4	1.08	400.0
L 3-1/2	x 2-1/2	x 1/2	1.00	212.8
	x 2-1/2	x 7/16	1.00	241.0
	x 2-1/2	x 3/8	1.00	277.8
	x 2-1/2	x 5/16	1.00	327.9
	x 2-1/2	x 1/4	1.00	408.2
L 3	x 2-1/2	x 1/2	.92	216.5
	x 2-1/2	x 7/16	.92	242.1
	x 2-1/2	x 3/8	.92	278.8
	x 2-1/2	x 5/16	.92	328.6
	x 2-1/2	x 1/4	.92	408.9
	x 2-1/2	x 3/16	.92	542.8

**Figure 23 (cont'd)**  
Structural steel conversion table

									
Section designation			Surface area per foot of length	Surface area per ton	Section designation			Surface area per foot of length	Surface area per ton
L 3	x 2	x 1/2	.83	215.6	L 2	x 1-1/2	x 1/4	.58	418.8
	x 2	x 7/16	.83	244.1		x 1-1/2	x 3/16	.58	547.2
	x 2	x 3/8	.83	281.4		x 1-1/2	x 1/8	.58	805.6
	x 2	x 5/16	.83	332.0					
	x 2	x 1/4	.83	404.9	L 2	x 1-1/4	x 1/4	.54	423.5
	x 2	x 3/16	.83	540.7		x 1-1/4	x 3/16	.54	551.0
L 2-1/2	x 2	x 3/8	.75	283.0					
	x 2	x 5/16	.75	333.3	L 1-3/4	x 1-1/4	x 1/4	.50	427.4
	x 2	x 1/4	.75	414.4		x 1-1/4	x 3/16	.50	555.6
	x 2	x 3/16	.75	545.5		x 1-1/4	x 1/8	.50	813.0
L 2-1/2	x 1-1/2	x 5/16	.67	341.8					
	x 1-1/2	x 1/4	.67	420.1					
	x 1-1/2	x 3/16	.67	549.2					

Courtesy: Richardson Engineering Services, Inc.

**Figure 23 (cont'd)**  
Structural steel conversion table

Diameter (in feet)	Area (SF)
10	314
15	707
20	1,257
25	1,963
30	2,827
35	3,848
40	5,027
45	6,362
50	7,854
55	9,503
60	11,310
65	13,273
70	15,394

**Figure 24**  
Surface area of spheres

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tank, silo, vessel, or hopper, brush, exterior walls only</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Brush prime coat									
Slow	150	425	75.10	17.13	4.13	17.67	7.39	7.41	53.73
Medium	175	400	65.70	18.71	5.39	16.43	10.14	6.08	56.75
Fast	200	375	56.30	19.95	7.04	15.01	13.02	3.85	58.87
Metal primer, rust inhibitor - rusty metal (material #36)									
Brush prime coat									
Slow	150	400	95.10	17.13	4.13	23.78	8.55	8.57	62.16
Medium	175	375	83.20	18.71	5.39	22.19	11.58	6.95	64.82
Fast	200	350	71.30	19.95	7.04	20.37	14.68	4.34	66.38
Industrial enamel, oil base, high gloss - light colors (material #56)									
Brush 1st or additional finish coats									
Slow	200	450	179.60	12.85	3.09	39.91	10.61	10.63	77.09
Medium	225	425	157.20	14.56	4.18	36.99	13.94	8.36	78.03
Fast	250	400	134.70	15.96	5.63	33.68	17.13	5.07	77.47
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Brush 1st or additional finish coats									
Slow	200	475	202.00	12.85	3.09	42.53	11.11	11.13	80.71
Medium	225	450	176.70	14.56	4.18	39.27	14.51	8.71	81.23
Fast	250	425	151.50	15.96	5.63	35.65	17.74	5.25	80.23
Epoxy coating, 2 part system, clear (material #51)									
Brush 1st coat									
Slow	150	425	263.80	17.13	4.13	62.07	15.83	15.86	115.02
Medium	175	400	230.80	18.71	5.39	57.70	20.46	12.27	114.53
Fast	200	375	197.90	19.95	7.04	52.77	24.73	7.31	111.80
Brush 2nd or additional coats									
Slow	200	450	263.80	12.85	3.09	58.62	14.16	14.19	102.91
Medium	225	425	230.80	14.56	4.18	54.31	18.27	10.96	102.28
Fast	250	400	197.90	15.96	5.63	49.48	22.03	6.52	99.62
Epoxy coating, 2 part system, white (material #52)									
Brush 1st coat									
Slow	150	425	255.10	17.13	4.13	60.02	15.44	15.47	112.19
Medium	175	400	223.20	18.71	5.39	55.80	19.98	11.99	111.87
Fast	200	375	191.30	19.95	7.04	51.01	24.18	7.15	109.33
Brush 2nd or additional coats									
Slow	200	450	255.10	12.85	3.09	56.69	13.80	13.83	100.26
Medium	225	425	223.20	14.56	4.18	52.52	17.82	10.69	99.77
Fast	250	400	191.30	15.96	5.63	47.83	21.52	6.37	97.31



*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Vinyl coating (material #59)									
Brush 1st coat									
Slow	125	250	210.90	20.56	4.94	84.36	20.87	20.92	151.65
Medium	150	238	184.60	21.83	6.32	77.56	26.43	15.86	148.00
Fast	175	225	158.20	22.80	8.02	70.31	31.36	9.28	141.77
Brush 2nd or additional coats									
Slow	165	150	210.90	15.58	3.73	140.60	30.38	30.45	220.74
Medium	190	125	184.60	17.24	4.96	147.68	42.48	25.49	237.85
Fast	215	100	158.20	18.56	6.54	158.20	56.83	16.81	256.94

See Figure 24 on page 399 to find the surface area of a spherical vessel. Use this table when estimating walls only. The cost tables for painting steel tank, silo, vessel or hopper roofs follow those for painting walls. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off-white or another light-colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tank, silo, vessel, or hopper, roll, exterior walls only</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Roll prime coat									
Slow	275	400	75.10	9.35	2.25	18.78	5.77	5.78	41.93
Medium	300	375	65.70	10.92	3.14	17.52	7.90	4.74	44.22
Fast	325	350	56.30	12.28	4.35	16.09	10.14	3.00	45.86
Metal primer, rust inhibitor - rusty metal (material #36)									
Roll prime coat									
Slow	275	380	95.10	9.35	2.25	25.03	6.96	6.97	50.56
Medium	300	355	83.20	10.92	3.14	23.44	9.38	5.63	52.51
Fast	325	330	71.30	12.28	4.35	21.61	11.85	3.50	53.59
Industrial enamel, oil base, high gloss - light colors (material #56)									
Roll 1st or additional finish coats									
Slow	375	425	179.60	6.85	1.66	42.26	9.64	9.66	70.07
Medium	400	400	157.20	8.19	2.36	39.30	12.47	7.48	69.80
Fast	425	375	134.70	9.39	3.30	35.92	15.07	4.46	68.14
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Roll 1st or additional finish coats									
Slow	375	450	202.00	6.85	1.66	44.89	10.14	10.16	73.70
Medium	400	425	176.70	8.19	2.36	41.58	13.04	7.82	72.99
Fast	425	400	151.50	9.39	3.30	37.88	15.68	4.64	70.89
Epoxy coating, 2 part system, clear (material #51)									
Roll 1st coat									
Slow	275	425	263.80	9.35	2.25	62.07	14.00	14.03	101.70
Medium	300	400	230.80	10.92	3.14	57.70	17.95	10.77	100.48
Fast	325	375	197.90	12.28	4.35	52.77	21.51	6.36	97.27
Roll 2nd or additional coats									
Slow	375	450	263.80	6.85	1.66	58.62	12.75	12.78	92.66
Medium	400	425	230.80	8.19	2.36	54.31	16.22	9.73	90.81
Fast	425	400	197.90	9.39	3.30	49.48	19.28	5.70	87.15

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Roll 1st coat									
Slow	275	425	255.10	9.35	2.25	60.02	13.61	13.64	98.87
Medium	300	400	223.20	10.92	3.14	55.80	17.47	10.48	97.81
Fast	325	375	191.30	12.28	4.35	51.01	20.96	6.20	94.80
Roll 2nd or additional coats									
Slow	375	450	255.10	6.85	1.66	56.69	12.38	12.41	89.99
Medium	400	425	223.20	8.19	2.36	52.52	15.77	9.46	88.30
Fast	425	400	191.30	9.39	3.30	47.83	18.76	5.55	84.83

See Figure 24 on page 399 to find the surface area of a spherical vessel. Use this table when estimating walls only. The cost tables for painting steel tank, silo, vessel or hopper roofs follow those for painting walls. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off-white or another light-colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tank, silo, vessel, or hopper, spray, exterior walls only</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Spray prime coat									
Slow	700	325	75.10	3.67	.89	23.11	5.26	5.27	38.20
Medium	750	300	65.70	4.37	1.24	21.90	6.88	4.13	38.52
Fast	800	275	56.30	4.99	1.76	20.47	8.44	2.50	38.16
Metal primer, rust inhibitor - rusty metal (material #36)									
Spray prime coat									
Slow	700	300	95.10	3.67	.89	31.70	6.89	6.90	50.05
Medium	750	275	83.20	4.37	1.24	30.25	8.97	5.38	50.21
Fast	800	250	71.30	4.99	1.76	28.52	10.93	3.23	49.43
Industrial enamel, oil base, high gloss - light colors (material #56)									
Spray 1st or additional finish coats									
Slow	850	350	179.60	3.02	.74	51.31	10.46	10.48	76.01
Medium	900	325	157.20	3.64	1.05	48.37	13.27	7.96	74.29
Fast	950	300	134.70	4.20	1.47	44.90	15.68	4.64	70.89
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	850	375	202.00	3.02	.74	53.87	10.95	10.97	79.55
Medium	900	350	176.70	3.64	1.05	50.49	13.80	8.28	77.26
Fast	950	325	151.50	4.20	1.47	46.62	16.21	4.80	73.30
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	700	325	263.80	3.67	.89	81.17	16.29	16.32	118.34
Medium	750	313	230.80	4.37	1.24	73.74	19.84	11.91	111.10
Fast	800	300	197.90	4.99	1.76	65.97	22.54	6.67	101.93
Spray 2nd or additional coats									
Slow	850	350	263.80	3.02	.74	75.37	15.03	15.06	109.22
Medium	900	338	230.80	3.64	1.05	68.28	18.24	10.95	102.16
Fast	950	325	197.90	4.20	1.47	60.89	20.64	6.10	93.30
Epoxy coating, 2 part system, white (material #52)									
Spray 1st coat									
Slow	700	325	255.10	3.67	.89	78.49	15.78	15.81	114.64
Medium	750	313	223.20	4.37	1.24	71.31	19.24	11.54	107.70
Fast	800	300	191.30	4.99	1.76	63.77	21.86	6.47	98.85
Spray 2nd or additional coats									
Slow	850	350	255.10	3.02	.74	72.89	14.56	14.59	105.80
Medium	900	338	223.20	3.64	1.05	66.04	17.68	10.61	99.02
Fast	950	325	191.30	4.20	1.47	58.86	20.01	5.92	90.46

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Vinyl coating (material #59)									
Spray 1st coat									
Slow	600	225	210.90	4.28	1.04	93.73	18.82	18.86	136.73
Medium	625	213	184.60	5.24	1.51	86.67	23.36	14.01	130.79
Fast	650	200	158.20	6.14	2.17	79.10	27.10	8.02	122.53
Spray 2nd or additional coats									
Slow	725	130	210.90	3.54	.86	162.23	31.66	31.72	230.01
Medium	750	105	184.60	4.37	1.24	175.81	45.36	27.22	254.00
Fast	775	80	158.20	5.15	1.81	197.75	63.46	18.77	286.94

See Figure 24 on page 399 to find the surface area of a spherical vessel. Use this table when estimating walls only. The cost tables for painting steel tank, silo, vessel or hopper roofs follow those for painting walls. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off-white or another light-colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tank, silo, vessel, or hopper, brush, exterior roof only</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Brush prime coat									
Slow	175	425	75.10	14.69	3.51	17.67	6.82	6.83	49.52
Medium	200	400	65.70	16.38	4.73	16.43	9.39	5.63	52.56
Fast	225	375	56.30	17.73	6.24	15.01	12.09	3.58	54.65
Metal primer, rust inhibitor - rusty metal (material #36)									
Brush prime coat									
Slow	175	400	95.10	14.69	3.51	23.78	7.98	8.00	57.96
Medium	200	375	83.20	16.38	4.73	22.19	10.83	6.50	60.63
Fast	225	350	71.30	17.73	6.24	20.37	13.75	4.07	62.16
Industrial enamel, oil base, high gloss - light colors (material #56)									
Brush 1st or additional finish coats									
Slow	225	450	179.60	11.42	2.73	39.91	10.27	10.29	74.62
Medium	250	425	157.20	13.10	3.78	36.99	13.47	8.08	75.42
Fast	275	400	134.70	14.51	5.14	33.68	16.53	4.89	74.75
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Brush 1st or additional finish coats									
Slow	225	475	202.00	11.42	2.73	42.53	10.77	10.79	78.24
Medium	250	450	176.70	13.10	3.78	39.27	14.04	8.42	78.61
Fast	275	425	151.50	14.51	5.14	35.65	17.14	5.07	77.51
Epoxy coating, 2 part system, clear (material #51)									
Brush 1st coat									
Slow	175	425	263.80	14.69	3.51	62.07	15.26	15.29	110.82
Medium	200	400	230.80	16.38	4.73	57.70	19.70	11.82	110.33
Fast	225	375	197.90	17.73	6.24	52.77	23.80	7.04	107.58
Brush 2nd or additional coats									
Slow	225	450	263.80	11.42	2.73	58.62	13.83	13.86	100.46
Medium	250	425	230.80	13.10	3.78	54.31	17.80	10.68	99.67
Fast	275	400	197.90	14.51	5.14	49.48	21.42	6.34	96.89
Epoxy coating, 2 part system, white (material #52)									
Brush 1st coat									
Slow	175	425	255.10	14.69	3.51	60.02	14.87	14.90	107.99
Medium	200	400	223.20	16.38	4.73	55.80	19.23	11.54	107.68
Fast	225	375	191.30	17.73	6.24	51.01	23.25	6.88	105.11
Brush 2nd or additional coats									
Slow	225	450	255.10	11.42	2.73	56.69	13.46	13.49	97.79
Medium	250	425	223.20	13.10	3.78	52.52	17.35	10.41	97.16
Fast	275	400	191.30	14.51	5.14	47.83	20.91	6.19	94.58

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Vinyl coating (material #59)									
Brush 1st coat									
Slow	125	250	210.90	20.56	4.94	84.36	20.87	20.92	151.65
Medium	150	238	184.60	21.83	6.32	77.56	26.43	15.86	148.00
Fast	175	225	158.20	22.80	8.02	70.31	31.36	9.28	141.77
Brush 2nd or additional coats									
Slow	200	150	210.90	12.85	3.09	140.60	29.74	29.80	216.08
Medium	225	125	184.60	14.56	4.18	147.68	41.61	24.97	233.00
Fast	250	100	158.20	15.96	5.63	158.20	55.73	16.49	252.01

Use these figures to estimate labor and material costs for painting the exterior surface of a flat roof on a steel tank, silo, vessel or hopper. *Rule of thumb*: For a vaulted, peaked or sloping roof, figure the roof area as though it were flat and add 5%. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off-white or another light-colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tank, silo, vessel, or hopper, roll, exterior roof only</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Roll prime coat									
Slow	325	400	75.10	7.91	1.91	18.78	5.43	5.44	39.47
Medium	350	375	65.70	9.36	2.71	17.52	7.40	4.44	41.43
Fast	375	350	56.30	10.64	3.77	16.09	9.45	2.80	42.75
Metal primer, rust inhibitor - rusty metal (material #36)									
Roll prime coat									
Slow	325	380	95.10	7.91	1.91	25.03	6.62	6.63	48.10
Medium	350	355	83.20	9.36	2.71	23.44	8.88	5.33	49.72
Fast	375	330	71.30	10.64	3.77	21.61	11.16	3.30	50.48
Industrial enamel, oil base, high gloss - light colors (material #56)									
Roll 1st or additional finish coats									
Slow	400	425	179.60	6.43	1.54	42.26	9.54	9.56	69.33
Medium	425	400	157.20	7.71	2.21	39.30	12.31	7.39	68.92
Fast	450	375	134.70	8.87	3.11	35.92	14.86	4.39	67.15
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Roll 1st or additional finish coats									
Slow	400	450	202.00	6.43	1.54	44.89	10.04	10.06	72.96
Medium	425	425	176.70	7.71	2.21	41.58	12.88	7.73	72.11
Fast	450	400	151.50	8.87	3.11	37.88	15.46	4.57	69.89
Epoxy coating, 2 part system, clear (material #51)									
Roll 1st coat									
Slow	325	425	263.80	7.91	1.91	62.07	13.66	13.69	99.24
Medium	350	400	230.80	9.36	2.71	57.70	17.44	10.47	97.68
Fast	375	375	197.90	10.64	3.77	52.77	20.82	6.16	94.16
Roll 2nd or additional coats									
Slow	400	450	263.80	6.43	1.54	58.62	12.65	12.68	91.92
Medium	425	425	230.80	7.71	2.21	54.31	16.06	9.64	89.93
Fast	450	400	197.90	8.87	3.11	49.48	19.06	5.64	86.16



*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Epoxy coating, 2 part system, white (material #52)									
Roll 1st coat									
Slow	325	425	255.10	7.91	1.91	60.02	13.27	13.30	96.41
Medium	350	400	223.20	9.36	2.71	55.80	16.97	10.18	95.02
Fast	375	375	191.30	10.64	3.77	51.01	20.28	6.00	91.70
Roll 2nd or additional coats									
Slow	400	450	255.10	6.43	1.54	56.69	12.29	12.31	89.26
Medium	425	425	223.20	7.71	2.21	52.52	15.62	9.37	87.43
Fast	450	400	191.30	8.87	3.11	47.83	18.55	5.49	83.85

Use these figures to estimate labor and material costs for painting the exterior surface of a flat roof on a steel tank, silo, vessel or hopper. *Rule of thumb*: For a vaulted, peaked or sloping roof, figure the roof area as though it were flat and add 5%. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off-white or another light-colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

National Painting Cost Estimator

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Tank, silo, vessel, or hopper, spray, exterior roof only</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Spray prime coat									
Slow	850	325	75.10	3.02	.74	23.11	5.10	5.11	37.08
Medium	900	300	65.70	3.64	1.05	21.90	6.65	3.99	37.23
Fast	950	275	56.30	4.20	1.47	20.47	8.11	2.40	36.65
Metal primer, rust inhibitor - rusty metal (material #36)									
Spray prime coat									
Slow	850	300	95.10	3.02	.74	31.70	6.73	6.75	48.94
Medium	900	275	83.20	3.64	1.05	30.25	8.74	5.24	48.92
Fast	950	250	71.30	4.20	1.47	28.52	10.60	3.14	47.93
Industrial enamel, oil base, high gloss - light colors (material #56)									
Spray 1st or additional finish coats									
Slow	950	300	179.60	2.71	.64	59.87	12.01	12.04	87.27
Medium	1025	275	157.20	3.20	.94	57.16	15.32	9.19	85.81
Fast	1100	250	134.70	3.63	1.28	53.88	18.22	5.39	82.40
Industrial enamel, oil base, high gloss - dark (OSHA) colors (material #57)									
Spray 1st or additional finish coats									
Slow	950	325	202.00	2.71	.64	62.15	12.45	12.47	90.42
Medium	1025	300	176.70	3.20	.94	58.90	15.76	9.45	88.25
Fast	1100	275	151.50	3.63	1.28	55.09	18.60	5.50	84.10
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	850	325	263.80	3.02	.74	81.17	16.13	16.17	117.23
Medium	900	313	230.80	3.64	1.05	73.74	19.61	11.76	109.80
Fast	950	300	197.90	4.20	1.47	65.97	22.21	6.57	100.42
Spray 2nd or additional coats									
Slow	950	350	263.80	2.71	.64	75.37	14.96	14.99	108.67
Medium	1025	338	230.80	3.20	.94	68.28	18.10	10.86	101.38
Fast	1100	325	197.90	3.63	1.28	60.89	20.40	6.03	92.23
Epoxy coating, 2 part system, white (material #52)									
Spray 1st coat									
Slow	850	325	255.10	3.02	.74	78.49	15.62	15.66	113.53
Medium	900	313	223.20	3.64	1.05	71.31	19.00	11.40	106.40
Fast	950	300	191.30	4.20	1.47	63.77	21.53	6.37	97.34
Spray 2nd or additional coats									
Slow	950	350	255.10	2.71	.64	72.89	14.49	14.52	105.25
Medium	1025	338	223.20	3.20	.94	66.04	17.54	10.52	98.24
Fast	1100	325	191.30	3.63	1.28	58.86	19.77	5.85	89.39

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
Vinyl coating (material #59)									
Spray 1st coat									
Slow	750	225	210.90	3.43	.81	93.73	18.62	18.66	135.25
Medium	775	213	184.60	4.23	1.22	86.67	23.03	13.82	128.97
Fast	800	200	158.20	4.99	1.76	79.10	26.61	7.87	120.33
Spray 2nd or additional coats									
Slow	900	130	210.90	2.86	.68	162.23	31.50	31.56	228.83
Medium	950	105	184.60	3.45	.98	175.81	45.07	27.04	252.35
Fast	1000	80	158.20	3.99	1.41	197.75	62.98	18.63	284.76

Use these figures to estimate labor and material costs for painting the exterior surface of a flat roof on a steel tank, silo, vessel or hopper. *Rule of thumb*: For a vaulted, peaked or sloping roof, figure the roof area as though it were flat and add 5%. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. One coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off-white or another light-colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, concrete tilt-up, brush application</b>									
Flat latex, water base (material #5)									
Brush 1st coat									
Slow	150	300	50.60	17.13	4.13	16.87	7.24	7.26	52.63
Medium	188	263	44.30	17.42	5.04	16.84	9.82	5.89	55.01
Fast	225	225	38.00	17.73	6.24	16.89	12.67	3.75	57.28
Brush 2nd or additional coats									
Slow	200	360	50.60	12.85	3.09	14.06	5.70	5.71	41.41
Medium	225	305	44.30	14.56	4.18	14.52	8.32	4.99	46.57
Fast	250	250	38.00	15.96	5.63	15.20	11.40	3.37	51.56
Enamel, water base (material #9)									
Brush 1st coat									
Slow	150	275	67.00	17.13	4.13	24.36	8.66	8.68	62.96
Medium	188	238	58.60	17.42	5.04	24.62	11.77	7.06	65.91
Fast	225	200	50.20	17.73	6.24	25.10	15.22	4.50	68.79
Brush 2nd or additional coats									
Slow	200	360	67.00	12.85	3.09	18.61	6.56	6.58	47.69
Medium	225	243	58.60	14.56	4.18	24.12	10.72	6.43	60.01
Fast	250	225	50.20	15.96	5.63	22.31	13.61	4.03	61.54
Enamel, oil base (material #10)									
Brush 1st coat									
Slow	150	300	159.80	17.13	4.13	53.27	14.16	14.19	102.88
Medium	188	250	139.80	17.42	5.04	55.92	19.59	11.76	109.73
Fast	225	200	119.80	17.73	6.24	59.90	26.01	7.69	117.57
Brush 2nd or additional coats									
Slow	200	400	159.80	12.85	3.09	39.95	10.62	10.64	77.15
Medium	225	325	139.80	14.56	4.18	43.02	15.45	9.27	86.48
Fast	250	250	119.80	15.96	5.63	47.92	21.55	6.37	97.43
Epoxy coating, 2 part system, clear (material #51)									
Brush 1st coat									
Slow	150	330	263.80	17.13	4.13	79.94	19.22	19.26	139.68
Medium	188	290	230.80	17.42	5.04	79.59	25.51	15.31	142.87
Fast	225	250	197.90	17.73	6.24	79.16	31.98	9.46	144.57
Brush 2nd or additional coats									
Slow	200	380	263.80	12.85	3.09	69.42	16.22	16.25	117.83
Medium	225	340	230.80	14.56	4.18	67.88	21.66	13.00	121.28
Fast	250	300	197.90	15.96	5.63	65.97	27.14	8.03	122.73

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Epoxy coating, 2 part system, white (material #52)</b>									
Brush 1st coat									
Slow	150	330	255.10	17.13	4.13	77.30	18.72	18.76	136.04
Medium	188	290	223.20	17.42	5.04	76.97	24.86	14.91	139.20
Fast	225	250	191.30	17.73	6.24	76.52	31.16	9.22	140.87
Brush 2nd or additional coats									
Slow	200	380	255.10	12.85	3.09	67.13	15.78	15.81	114.66
Medium	225	340	223.20	14.56	4.18	65.65	21.11	12.66	118.16
Fast	250	300	191.30	15.96	5.63	63.77	26.46	7.83	119.65
<b>Waterproofing, clear hydro sealer (material #34)</b>									
Brush 1st coat									
Slow	150	160	70.90	17.13	4.13	44.31	12.45	12.48	90.50
Medium	175	140	62.10	18.71	5.39	44.36	17.12	10.27	95.85
Fast	200	120	53.20	19.95	7.04	44.33	22.11	6.54	99.97
Brush 2nd or additional coats									
Slow	230	200	70.90	11.17	2.69	35.45	9.37	9.39	68.07
Medium	275	188	62.10	11.91	3.45	33.03	12.10	7.26	67.75
Fast	295	175	53.20	13.53	4.77	30.40	15.10	4.47	68.27
<b>Industrial waterproofing (material #58)</b>									
Brush 1st coat									
Slow	90	100	76.20	28.56	6.85	76.20	21.21	21.25	154.07
Medium	100	95	66.70	32.75	9.46	70.21	28.11	16.86	157.39
Fast	110	90	57.10	36.27	12.80	63.44	34.88	10.32	157.71
Brush 2nd or additional coats									
Slow	150	200	76.20	17.13	4.13	38.10	11.27	11.30	81.93
Medium	180	188	66.70	18.19	5.28	35.48	14.73	8.84	82.52
Fast	195	175	57.10	20.46	7.23	32.63	18.70	5.53	84.55

Use these figures to estimate the costs for finishing concrete walls which have a smooth surface (trowel), rough texture, or exposed aggregate finish. For wall heights above 10', increase the computed area by 50%. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, concrete tilt-up, roll application</b>									
Flat latex, water base (material #5)									
Roll 1st coat									
Slow	275	275	50.60	9.35	2.25	18.40	5.70	5.71	41.41
Medium	300	238	44.30	10.92	3.14	18.61	8.17	4.90	45.74
Fast	325	225	38.00	12.28	4.35	16.89	10.39	3.07	46.98
Roll 2nd or additional coats									
Slow	300	375	50.60	8.57	2.04	13.49	4.58	4.59	33.27
Medium	338	325	44.30	9.69	2.80	13.63	6.53	3.92	36.57
Fast	375	275	38.00	10.64	3.77	13.82	8.75	2.59	39.57
Enamel, water base (material #9)									
Roll 1st coat									
Slow	275	275	67.00	9.35	2.25	24.36	6.83	6.84	49.63
Medium	300	238	58.60	10.92	3.14	24.62	9.68	5.81	54.17
Fast	325	200	50.20	12.28	4.35	25.10	12.93	3.82	58.48
Roll 2nd or additional coats									
Slow	300	325	67.00	8.57	2.04	20.62	5.94	5.95	43.12
Medium	338	275	58.60	9.69	2.80	21.31	8.45	5.07	47.32
Fast	375	225	50.20	10.64	3.77	22.31	11.38	3.37	51.47
Enamel, oil base (material #10)									
Roll 1st coat									
Slow	275	260	159.80	9.35	2.25	61.46	13.88	13.91	100.85
Medium	300	210	139.80	10.92	3.14	66.57	20.16	12.10	112.89
Fast	325	160	119.80	12.28	4.35	74.88	28.36	8.39	128.26
Roll 2nd or additional coats									
Slow	300	350	159.80	8.57	2.04	45.66	10.70	10.72	77.69
Medium	338	300	139.80	9.69	2.80	46.60	14.77	8.86	82.72
Fast	375	250	119.80	10.64	3.77	47.92	19.32	5.71	87.36
Epoxy coating, 2 part system, clear (material #51)									
Roll 1st coat									
Slow	275	290	263.80	9.35	2.25	90.97	19.49	19.53	141.59
Medium	300	250	230.80	10.92	3.14	92.32	26.60	15.96	148.94
Fast	325	210	197.90	12.28	4.35	94.24	34.36	10.16	155.39
Roll 2nd or additional coats									
Slow	300	380	263.80	8.57	2.04	69.42	15.21	15.24	110.48
Medium	338	340	230.80	9.69	2.80	67.88	20.09	12.06	112.52
Fast	375	300	197.90	10.64	3.77	65.97	24.91	7.37	112.66

*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Epoxy coating, 2 part system, white (material #52)</b>									
Roll 1st coat									
Slow	275	290	255.10	9.35	2.25	87.97	18.92	18.96	137.45
Medium	300	250	223.20	10.92	3.14	89.28	25.84	15.50	144.68
Fast	325	210	191.30	12.28	4.35	91.10	33.39	9.88	151.00
Roll 2nd or additional coats									
Slow	300	380	255.10	8.57	2.04	67.13	14.77	14.80	107.31
Medium	338	340	223.20	9.69	2.80	65.65	19.54	11.72	109.40
Fast	375	300	191.30	10.64	3.77	63.77	24.23	7.17	109.58
<b>Waterproofing, clear hydro sealer (material #34)</b>									
Roll 1st coat									
Slow	170	200	70.90	15.12	3.62	35.45	10.30	10.32	74.81
Medium	200	165	62.10	16.38	4.73	37.64	14.69	8.81	82.25
Fast	245	130	53.20	16.29	5.73	40.92	19.52	5.77	88.23
Roll 2nd or additional coats									
Slow	275	325	70.90	9.35	2.25	21.82	6.35	6.36	46.13
Medium	300	275	62.10	10.92	3.14	22.58	9.17	5.50	51.31
Fast	325	225	53.20	12.28	4.35	23.64	12.48	3.69	56.44
<b>Industrial waterproofing (material #58)</b>									
Roll 1st coat									
Slow	100	125	76.20	25.70	6.17	60.96	17.64	17.68	128.15
Medium	113	113	66.70	28.98	8.38	59.03	24.10	14.46	134.95
Fast	125	100	57.10	31.92	11.26	57.10	31.09	9.20	140.57
Roll 2nd or additional coats									
Slow	180	200	76.20	14.28	3.44	38.10	10.60	10.63	77.05
Medium	198	188	66.70	16.54	4.78	35.48	14.20	8.52	79.52
Fast	215	175	57.10	18.56	6.54	32.63	17.90	5.29	80.92

Use these figures to estimate the costs for finishing concrete walls which have a smooth surface (trowel), rough texture, or exposed aggregate finish. For wall heights above 10', increase the computed area by 50%. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Walls, concrete tilt-up, spray application</b>									
Flat latex, water base (material #5)									
Spray 1st coat									
Slow	500	225	50.60	5.14	1.23	22.49	5.48	5.49	39.83
Medium	600	188	44.30	5.46	1.59	23.56	7.65	4.59	42.85
Fast	700	150	38.00	5.70	2.02	25.33	10.24	3.03	46.32
Spray 2nd or additional coats									
Slow	600	275	50.60	4.28	1.04	18.40	4.50	4.51	32.73
Medium	700	238	44.30	4.68	1.36	18.61	6.16	3.70	34.51
Fast	800	200	38.00	4.99	1.76	19.00	7.98	2.36	36.09
Enamel, water base (material #9)									
Spray 1st coat									
Slow	500	225	67.00	5.14	1.23	29.78	6.87	6.88	49.90
Medium	550	188	58.60	5.95	1.73	31.17	9.71	5.83	54.39
Fast	600	150	50.20	6.65	2.36	33.47	13.17	3.89	59.54
Spray 2nd or additional coats									
Slow	600	275	67.00	4.28	1.04	24.36	5.64	5.65	40.97
Medium	700	238	58.60	4.68	1.36	24.62	7.66	4.60	42.92
Fast	800	200	50.20	4.99	1.76	25.10	9.87	2.92	44.64
Enamel, oil base (material #10)									
Spray 1st coat									
Slow	500	200	159.80	5.14	1.23	79.90	16.39	16.43	119.09
Medium	550	163	139.80	5.95	1.73	85.77	23.36	14.02	130.83
Fast	600	125	119.80	6.65	2.36	95.84	32.50	9.61	146.96
Spray 2nd or additional coats									
Slow	600	300	159.80	4.28	1.04	53.27	11.13	11.15	80.87
Medium	700	243	139.80	4.68	1.36	57.53	15.89	9.53	88.99
Fast	800	175	119.80	4.99	1.76	68.46	23.32	6.90	105.43
Epoxy coating, 2 part system, clear (material #51)									
Spray 1st coat									
Slow	500	270	263.80	5.14	1.23	97.70	19.77	19.81	143.65
Medium	700	253	230.80	4.68	1.36	91.23	24.32	14.59	136.18
Fast	900	235	197.90	4.43	1.56	84.21	27.96	8.27	126.43
Spray 2nd or additional coats									
Slow	600	375	263.80	4.28	1.04	70.35	14.38	14.41	104.46
Medium	800	338	230.80	4.09	1.19	68.28	18.39	11.03	102.98
Fast	1000	300	197.90	3.99	1.41	65.97	22.12	6.54	100.03



*Industrial, Institutional and Heavy Commercial Costs*

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total price per 100 SF
<b>Epoxy coating, 2 part system, white (material #52)</b>									
Spray 1st coat									
Slow	500	270	255.10	5.14	1.23	94.48	19.16	19.20	139.21
Medium	700	253	223.20	4.68	1.36	88.22	23.56	14.14	131.96
Fast	900	235	191.30	4.43	1.56	81.40	27.09	8.01	122.49
Spray 2nd or additional coats									
Slow	600	375	255.10	4.28	1.04	68.03	13.93	13.96	101.24
Medium	800	338	223.20	4.09	1.19	66.04	17.83	10.70	99.85
Fast	1000	300	191.30	3.99	1.41	63.77	21.44	6.34	96.95
<b>Waterproofing, clear hydro sealer (material #34)</b>									
Spray 1st coat									
Slow	600	125	70.90	4.28	1.04	56.72	11.79	11.81	85.64
Medium	650	113	62.10	5.04	1.46	54.96	15.37	9.22	86.05
Fast	700	100	53.20	5.70	2.02	53.20	18.88	5.59	85.39
Spray 2nd or additional coats									
Slow	700	200	70.90	3.67	.89	35.45	7.60	7.62	55.23
Medium	800	170	62.10	4.09	1.19	36.53	10.45	6.27	58.53
Fast	900	140	53.20	4.43	1.56	38.00	13.64	4.03	61.66

Use these figures to estimate the costs for finishing concrete walls which have a smooth surface (trowel), rough texture, or exposed aggregate finish. For wall heights above 10', increase the computed area by 50%. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

### **Walls, gypsum drywall**

**Smooth-wall finish, no texture: See General Painting Costs, page 240**

	Labor LF per manhour	Material coverage LF/gallon	Material cost per gallon	Labor cost per 100 LF	Labor burden 100 LF	Material cost per 100 LF	Overhead per 100 LF	Profit per 100 LF	Total price per 100 LF
<b>Windows, steel factory sash, brush application</b>									
Metal primer, rust inhibitor - clean metal (material #35)									
Brush prime coat									
Slow	100	850	75.10	25.70	6.17	8.84	7.73	7.75	56.19
Medium	125	800	65.70	26.20	7.57	8.21	10.50	6.30	58.78
Fast	150	750	56.30	26.60	9.40	7.51	13.49	3.99	60.99
Metal primer, rust inhibitor - rusty metal (material #36)									
Brush prime coat									
Slow	100	800	95.10	25.70	6.17	11.89	8.31	8.33	60.40
Medium	125	750	83.20	26.20	7.57	11.09	11.22	6.73	62.81
Fast	150	700	71.30	26.60	9.40	10.19	14.32	4.24	64.75
Metal finish - synthetic enamel, gloss, interior or exterior, off white (material #37)									
Brush 1st coat									
Slow	125	900	78.60	20.56	4.94	8.73	6.50	6.52	47.25
Medium	150	850	68.80	21.83	6.32	8.09	9.06	5.43	50.73
Fast	175	800	59.00	22.80	8.02	7.38	11.85	3.51	53.56
Brush 2nd or additional coats									
Slow	150	1000	78.60	17.13	4.13	7.86	5.53	5.54	40.19
Medium	175	950	68.80	18.71	5.39	7.24	7.84	4.70	43.88
Fast	200	900	59.00	19.95	7.04	6.56	10.40	3.08	47.03
Metal finish - synthetic enamel, gloss, interior or exterior, colors, except orange & red (material #38)									
Brush 1st coat									
Slow	125	950	75.70	20.56	4.94	7.97	6.36	6.37	46.20
Medium	150	900	66.20	21.83	6.32	7.36	8.88	5.33	49.72
Fast	175	850	56.70	22.80	8.02	6.67	11.63	3.44	52.56
Brush 2nd or additional coats									
Slow	150	1050	75.70	17.13	4.13	7.21	5.41	5.42	39.30
Medium	175	1000	66.20	18.71	5.39	6.62	7.69	4.61	43.02
Fast	200	950	56.70	19.95	7.04	5.97	10.22	3.02	46.20

These figures will apply when painting steel factory sash but do not include work on glazing or frame. For heights above 8 feet, use the High Time Difficulty Factors on page 139. Note: A two coat system, prime and finish, using oil base material is recommended for any metal surface. Using water base material may cause oxidation, corrosion and rust. Using one coat of oil base paint on metal surfaces may result in cracking, peeling or chipping without the proper prime coat application. If off-white or another light-colored finish paint is specified, make sure the prime coat is also a light color, or more than one finish coat will be necessary. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 6, Figure 1. Other qualifications that apply to this table are on page 9.

### Field Production Times and Rates

Date	>	10-15-20XX	Start	Finish	Total	LF or SF	LF or SF	Book	Your
Painter		Operation	times	times	hours	completed	per hour	rate	rate
David H.	1	Cutting-in ceiling	7:05	8:35	1.5	28 LF	18.67		
	2	8' 0" height	8:40	9:40	1	20 LF	20		
	3		9:40	11:55	2.25	38 LF	16.89		
	4		12:45	2:00	1.25	20 LF	16		
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
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	28								
	29								
	30								
	31								
	32								
	33								
	34								
	35								
	36								
	37								

**Figure 25**  
Sample field production times and rates form

### Field Production Times and Rates

Date	>		Start	Finish	Total	LF or SF	LF or SF	Average	Your
Painter		Operation	times	times	hours	completed	per hour	rate	rate
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
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	28								
	29								
	30								
	31								
	32								
	33								
	34								
	35								
	36								
	37								

**Figure 26**  
Blank field production times and rates form

*Part IV*

*Wallcovering*  
**COSTS**

	American rolls per gallon	Linear yards per gallon	Adhesive cost per gallon
<b>Adhesive coverage, rolls to yards conversion (2.5 yards per roll)</b>			
Ready-mix			
Light weight vinyl (material #60)			
Slow	8.0	20.0	24.10
Medium	7.5	18.8	21.10
Fast	7.0	17.5	18.10
Heavy weight vinyl (material #61)			
Slow	6.0	15.0	25.30
Medium	5.5	13.8	22.10
Fast	5.0	12.5	19.00
Cellulose (material #62)			
Slow	8.0	20.0	20.60
Medium	7.0	17.5	18.10
Fast	6.0	15.0	15.50
Vinyl to vinyl (material #63)			
Slow	7.0	17.5	50.20
Medium	6.5	16.3	43.90
Fast	6.0	15.0	37.60
Powdered cellulose (material #64)			
Slow	12.0	30.0	11.60
Medium	11.0	27.5	10.10
Fast	10.0	25.0	8.70
Powdered vinyl (material #65)			
Slow	12.0	30.0	14.20
Medium	11.0	27.5	12.40
Fast	10.0	25.0	10.70
Powdered wheat paste (material #66)			
Slow	13.0	32.5	11.80
Medium	12.0	30.0	10.40
Fast	11.0	27.5	8.90

These figures are based on rolls or yards per gallon of liquid paste. Vinyl to vinyl ready-mix is usually distributed in pint containers which have been converted to gallons. One pint makes 6 gallons. Powdered adhesive coverage is based on water added to powder to prepare gallon quantities. One pound of powdered vinyl or wheat paste makes 1.75 gallons of liquid paste when mixed with about 1-1/2 gallons of cold water. Two ounces of powdered cellulose makes 1.75 gallons of liquid paste.

	Labor SF per manhour	Material coverage SF/gallon	Material cost per gallon	Labor cost per 100 SF	Labor burden 100 SF	Material cost per 100 SF	Overhead per 100 SF	Profit per 100 SF	Total cost per 100 SF
<b>Adhesive coverage and application rates, square foot basis</b>									
Ready-mix									
Light weight vinyl (material #60)									
Slow	350	275	24.10	7.20	1.74	8.76	3.36	3.37	24.43
Medium	375	250	21.10	8.60	2.50	8.44	4.88	2.93	27.35
Fast	400	225	18.10	9.85	3.48	8.04	6.62	1.96	29.95
Heavy weight vinyl (material #61)									
Slow	275	200	25.30	9.16	2.22	12.65	4.56	4.57	33.16
Medium	300	175	22.10	10.75	3.09	12.63	6.62	3.97	37.06
Fast	325	150	19.00	12.12	4.30	12.67	9.01	2.67	40.77
Cellulose (material #62)									
Slow	325	250	20.60	7.75	1.88	8.24	3.39	3.40	24.66
Medium	350	225	18.10	9.21	2.68	8.04	4.98	2.99	27.90
Fast	375	200	15.50	10.51	3.72	7.75	6.81	2.01	30.80
Vinyl to vinyl (material #63)									
Slow	300	225	50.20	8.40	2.01	22.31	6.22	6.23	45.17
Medium	325	200	43.90	9.92	2.88	21.95	8.69	5.21	48.65
Fast	350	175	37.60	11.26	3.99	21.49	11.38	3.37	51.49
Powdered cellulose (material #64)									
Slow	425	400	11.60	5.93	1.41	2.90	1.95	1.95	14.14
Medium	450	370	10.10	7.17	2.06	2.73	2.99	1.80	16.75
Fast	475	335	8.70	8.29	2.96	2.60	4.28	1.27	19.40
Powdered vinyl (material #65)									
Slow	425	400	14.20	5.93	1.41	3.55	2.07	2.08	15.04
Medium	450	370	12.40	7.17	2.06	3.35	3.15	1.89	17.62
Fast	475	335	10.70	8.29	2.96	3.19	4.47	1.32	20.23
Powdered wheat paste (material #66)									
Slow	450	425	11.80	5.60	1.34	2.78	21.52	1.85	13.42
Medium	475	400	10.40	6.81	1.96	2.60	21.77	1.70	15.89
Fast	500	375	8.90	7.88	2.78	2.37	21.93	1.19	18.26

These figures are based on gallon quantities of liquid paste. Vinyl to vinyl ready-mix is usually distributed in pint containers which have been converted to gallons. Powdered adhesive coverage is based on water added to powder to prepare gallon quantities. Typically, powdered ready-mix material is in 2 to 4 ounce packages which will adhere 6 to 12 rolls of wallcovering. See the Adhesive coverage table on the previous page for conversion to rolls and yards. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13.

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
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**Wallcovering application, average labor production, medium rooms**

## Walls

Slow	17	--	118.59	28.47	27.94	28.00	203.00	20.30
Medium	19	--	135.79	39.26	43.76	26.25	245.06	24.50
Fast	21	--	150.10	53.01	62.96	18.62	284.69	28.47

## Ceilings

Slow	15	--	134.40	32.26	31.67	31.73	230.06	23.01
Medium	17	--	151.76	43.87	48.91	29.34	273.88	27.39
Fast	19	--	165.89	58.60	69.58	20.58	314.65	31.46

The table above assumes that residential rolls are hand pasted. Add surface preparation time on page 425 as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13.

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
--	---------------------------	--------------------------	-------------------------------	-----------------------------	-----------------------------	---------------------------	-------------------------------	----------------------------

**Wallcovering application, average labor production, small rooms**

## Walls

Slow	7	--	288.00	69.16	67.85	68.00	493.01	49.30
Medium	9	--	286.67	82.85	92.38	55.43	517.33	51.73
Fast	11	--	286.55	101.17	120.19	35.55	543.46	54.34

## Ceilings

Slow	6	--	336.00	80.66	79.16	79.33	575.15	57.51
Medium	8	--	322.50	93.20	103.93	62.36	581.99	58.20
Fast	10	--	315.20	111.28	132.21	39.11	597.80	59.78

The table above assumes that residential rolls are hand pasted. Add surface preparation time on page 425 as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13.

	Labor LF per manhour	Material by others	Labor cost per 100 LF	Labor burden 100 LF	Overhead per 100 LF	Profit per 100 LF	Total cost per 100 LF	Total price per LF
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**Borders 3" to 8" wide, commercial, machine pasted**

## Medium size rooms (10 x 10 range)

Slow	140	--	17.29	4.14	4.07	4.08	29.58	.30
Medium	158	--	19.46	5.63	4.77	4.78	34.64	.35
Fast	175	--	21.37	7.52	5.49	5.50	39.88	.40

The table above assumes that commercial rolls are machine pasted. ADD for surface preparation time from page 425 or from the tables in Part II, Preparation costs beginning on page 295, as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13.



	Labor LF per manhour	Material by others	Labor cost per 100 LF	Labor burden 100 LF	Overhead per 100 LF	Profit per 100 LF	Total cost per 100 LF	Total price per LF
--	----------------------------	--------------------------	-----------------------------	---------------------------	---------------------------	-------------------------	-----------------------------	--------------------------

**Borders 3" to 8" wide, residential, hand pasted**

Medium size rooms (bedrooms, dining rooms)

Slow	100	--	25.20	6.05	5.94	5.95	43.14	.43
Medium	113	--	28.54	8.25	9.20	5.52	51.51	.52
Fast	125	--	31.52	11.13	13.22	3.91	59.78	.60

The table above assumes that residential rolls are hand pasted. ADD for surface preparation time from table at bottom or from the tables in Part II, Preparation costs beginning on page 295, as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13.

	Labor SF per manhour	Material by others	Labor cost per 100 SF	Labor burden 100 SF	Overhead per 100 SF	Profit per 100 SF	Total cost per 100 SF	Total price per SF
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**Flexible wood sheet and veneer**

Wood veneer flexwood (residential or commercial)

Medium size rooms (bedrooms, dining rooms, offices, reception areas)

Slow	14	--	176.43	42.36	41.57	41.65	302.01	3.02
Medium	20	--	157.50	45.50	50.76	30.45	284.21	2.84
Fast	26	--	147.69	52.15	61.94	18.32	280.10	2.80

Flexi-wall systems (residential or commercial)

Medium size rooms (bedrooms, dining rooms, offices, reception areas)

Slow	12	--	205.83	49.41	48.49	48.60	352.33	3.52
Medium	18	--	175.00	50.57	56.40	33.84	315.81	3.16
Fast	24	--	160.00	56.52	67.11	19.85	303.48	3.03

Flexible wood sheet and veneer appears under section 097416 in the Construction Specifications Institute (CSI) indexing system. For heights above 8 feet, use the High Time Difficulty Factors on page 139. The labor rates in the table above are an average of the residential and commercial rates. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13.

	Labor SF per manhour	Material by others	Labor cost per 100 SF	Labor burden 100 SF	Overhead per 100 SF	Profit per 100 SF	Total cost per 100 SF	Total price per SF
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**Surface preparation, wallcovering**

Rule of thumb, typical preparation

Slow	100	--	25.20	6.05	5.94	5.95	43.14	.43
Medium	125	--	25.80	7.46	8.32	4.99	46.57	.47
Fast	150	--	26.27	9.29	11.02	3.26	49.84	.50

Putty cracks, sand and wash

Slow	120	--	21.00	5.03	4.95	4.96	35.94	.36
Medium	135	--	23.89	6.91	7.70	4.62	43.12	.43
Fast	150	--	26.27	9.29	11.02	3.26	49.84	.50

For additional preparation tasks see the Preparation operation tables beginning on page 295. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13.

	Labor yards per day	Material by others	Labor cost per 10 yards	Labor burden 10 yards	Overhead per 10 yards	Profit per 10 yards	Total cost per 10 yards	Total price per yard
<b>Vinyl wallcover, commercial, machine pasted, yards per day, 48" to 54" width</b>								
Cut-up areas (stair halls, landing areas)								
Walls								
Slow	40	--	48.40	11.62	11.40	11.43	82.85	8.29
Medium	45	--	54.67	15.81	17.62	10.57	98.67	9.87
Fast	50	--	59.84	21.12	25.10	7.42	113.48	11.35
Ceilings								
Slow	33	--	58.67	14.07	13.82	13.85	100.41	10.04
Medium	38	--	64.74	18.70	20.86	12.52	116.82	11.68
Fast	43	--	69.58	24.54	29.18	8.63	131.93	13.20
Small rooms (restrooms, utility rooms)								
Walls								
Slow	42	--	46.10	11.07	10.86	10.88	78.91	7.89
Medium	50	--	49.20	14.22	15.86	9.51	88.79	8.88
Fast	55	--	54.40	19.22	22.82	6.75	103.19	10.32
Ceilings								
Slow	38	--	50.95	12.22	12.00	12.03	87.20	8.72
Medium	46	--	53.48	15.45	17.24	10.34	96.51	9.65
Fast	51	--	58.67	20.72	24.61	7.28	111.28	11.13
Medium rooms (offices)								
Walls								
Slow	60	--	32.27	7.73	7.60	7.62	55.22	5.52
Medium	75	--	32.80	9.50	10.57	6.34	59.21	5.92
Fast	90	--	33.24	11.74	13.94	4.12	63.04	6.30
Ceilings								
Slow	56	--	34.57	8.31	8.15	8.16	59.19	5.92
Medium	69	--	35.65	10.29	11.49	6.89	64.32	6.43
Fast	81	--	36.94	13.05	15.49	4.58	70.06	7.01
Large rooms (conference rooms)								
Walls								
Slow	76	--	25.47	6.13	6.00	6.01	43.61	4.36
Medium	89	--	27.64	8.00	8.91	5.34	49.89	4.99
Fast	102	--	29.33	10.34	12.30	3.64	55.61	5.56
Ceilings								
Slow	66	--	29.33	7.04	6.91	6.92	50.20	5.02
Medium	79	--	31.14	9.02	10.04	6.02	56.22	5.62
Fast	91	--	32.88	11.60	13.79	4.08	62.35	6.24

# Wallcovering Costs

	Labor yards per day	Material by others	Labor cost per 10 yards	Labor burden 10 yards	Overhead per 10 yards	Profit per 10 yards	Total cost per 10 yards	Total price per yard
Large wall areas (corridors, long hallways)								
Walls								
Slow	89	--	21.75	5.23	5.12	5.13	37.23	3.72
Medium	102	--	24.12	6.96	7.77	4.66	43.51	4.35
Fast	114	--	26.25	9.27	11.01	3.26	49.79	4.98
Ceilings								
Slow	76	--	25.47	6.13	6.00	6.01	43.61	4.36
Medium	89	--	27.64	8.00	8.91	5.34	49.89	4.99
Fast	102	--	29.33	10.34	12.30	3.64	55.61	5.56
Paper-backed vinyl on medium room walls								
Bedrooms, dining rooms								
Slow	43	--	45.02	10.80	10.61	10.63	77.06	7.71
Medium	53	--	46.42	13.40	14.96	8.98	83.76	8.38
Fast	64	--	46.75	16.50	19.61	5.80	88.66	8.87
Cork wallcovering on medium room walls								
Bedrooms, dining rooms								
Slow	43	--	45.02	10.80	10.61	10.63	77.06	7.71
Medium	53	--	46.42	13.40	14.96	8.98	83.76	8.38
Fast	64	--	46.75	16.50	19.61	5.80	88.66	8.87

Vinyl and vinyl-coated wallcovering appear under section 097216 in the Construction Specifications Institute (CSI) indexing system. Cork wallcovering appears in section 097213. The table above assumes that commercial rolls are machine pasted. ADD for surface preparation time from page 425 or from the tables in Part II, Preparation costs beginning on page 295, as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13.

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
<b>Vinyl wallcovering, residential, hand pasted, single rolls per day 18" to 27" wide</b>								
Cut-up areas (stair halls, landing areas)								
Walls								
Slow	10	--	201.60	48.40	47.50	47.60	345.10	34.51
Medium	11	--	234.55	67.79	75.58	45.35	423.27	42.33
Fast	12	--	262.67	92.75	110.17	32.59	498.18	49.82
Ceilings								
Slow	7	--	288.00	69.16	67.85	68.00	493.01	49.30
Medium	8	--	322.50	93.20	103.93	62.36	581.99	58.20
Fast	9	--	350.22	123.65	146.89	43.45	664.21	66.42
Small rooms (baths, utility rooms)								
Walls								
Slow	11	--	183.27	44.01	43.18	43.27	313.73	31.37
Medium	12	--	215.00	62.15	69.29	41.57	388.01	38.80
Fast	13	--	242.46	85.61	101.70	30.08	459.85	45.98
Ceilings								
Slow	9	--	224.00	53.78	52.77	52.88	383.43	38.34
Medium	10	--	258.00	74.56	83.14	49.88	465.58	46.56
Fast	11	--	286.55	101.17	120.19	35.55	543.46	54.34
Medium rooms (bedrooms, dining rooms)								
Walls								
Slow	17	--	118.59	28.47	27.94	28.00	203.00	20.30
Medium	19	--	135.79	39.26	43.76	26.25	245.06	24.50
Fast	21	--	150.10	53.01	62.96	18.62	284.69	28.47
Ceilings								
Slow	15	--	134.40	32.26	31.67	31.73	230.06	23.01
Medium	17	--	151.76	43.87	48.91	29.34	273.88	27.39
Fast	19	--	165.89	58.60	69.58	20.58	314.65	31.46
Large rooms (living rooms)								
Walls								
Slow	20	--	100.80	24.20	23.75	23.80	172.55	17.25
Medium	23	--	112.17	32.41	36.15	21.69	202.42	20.24
Fast	26	--	121.23	42.80	50.85	15.04	229.92	22.99
Ceilings								
Slow	18	--	112.00	26.88	26.39	26.44	191.71	19.17
Medium	20	--	129.00	37.28	41.57	24.94	232.79	23.28
Fast	22	--	143.27	50.57	60.09	17.78	271.71	27.17

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
Large wall areas (corridors, long hallways)								
Walls								
Slow	24	--	84.00	20.16	19.79	19.83	143.78	14.38
Medium	27	--	95.56	27.61	30.80	18.48	172.45	17.25
Fast	30	--	105.07	37.11	44.07	13.04	199.29	19.93
Ceilings								
Slow	21	--	96.00	23.06	22.62	22.67	164.35	16.43
Medium	23	--	112.17	32.41	36.15	21.69	202.42	20.24
Fast	25	--	126.08	44.51	52.88	15.64	239.11	23.91
Paper-backed vinyl on medium room walls								
Bedrooms, dining rooms								
Slow	8	--	252.00	60.50	59.37	59.50	431.37	43.14
Medium	10	--	258.00	74.56	83.14	49.88	465.58	46.56
Fast	12	--	262.67	92.75	110.17	32.59	498.18	49.82
Cork wallcovering on medium room walls								
Bedrooms, dining rooms								
Slow	8	--	252.00	60.50	59.37	59.50	431.37	43.14
Medium	10	--	258.00	74.56	83.14	49.88	465.58	46.56
Fast	12	--	262.67	92.75	110.17	32.59	498.18	49.82

The table above assumes that residential rolls are hand pasted. ADD for surface preparation time from page 425 or from the tables in Part II, Preparation costs beginning on page 295, as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13. Add for ready-mix paste.

	Labor yards per day	Material by others	Labor cost per 10 yards	Labor burden 10 yards	Overhead per 10 yards	Profit per 10 yards	Total cost per 10 yards	Total price per yard
<b>Wall fabric, commercial, machine pasted, yards per day, 48" to 54" width</b>								
Coated fabric								
Cut-up areas (stair halls, landing areas)								
Walls								
Slow	58	--	33.38	8.00	7.86	7.88	57.12	5.71
Medium	63	--	39.05	11.29	12.59	7.55	70.48	7.05
Fast	68	--	44.00	15.51	18.45	5.46	83.42	8.34
Ceilings								
Slow	35	--	55.31	13.29	13.03	13.06	94.69	9.47
Medium	40	--	61.50	17.78	19.82	11.89	110.99	11.10
Fast	45	--	66.49	23.48	27.89	8.25	126.11	12.61
Small rooms (restrooms, utility rooms)								
Walls								
Slow	60	--	32.27	7.73	7.60	7.62	55.22	5.52
Medium	65	--	37.85	10.95	12.20	7.32	68.32	6.83
Fast	70	--	42.74	15.10	17.93	5.30	81.07	8.11
Ceilings								
Slow	40	--	48.40	11.62	11.40	11.43	82.85	8.29
Medium	48	--	51.25	14.83	16.52	9.91	92.51	9.25
Fast	55	--	54.40	19.22	22.82	6.75	103.19	10.32
Medium rooms (offices)								
Walls								
Slow	68	--	28.47	6.82	6.71	6.72	48.72	4.87
Medium	80	--	30.75	8.89	9.91	5.95	55.50	5.55
Fast	93	--	32.17	11.35	13.49	3.99	61.00	6.10
Ceilings								
Slow	60	--	32.27	7.73	7.60	7.62	55.22	5.52
Medium	73	--	33.70	9.75	10.86	6.52	60.83	6.08
Fast	85	--	35.20	12.41	14.77	4.37	66.75	6.68
Large rooms (conference rooms)								
Walls								
Slow	85	--	22.78	5.46	5.37	5.38	38.99	3.90
Medium	98	--	25.10	7.25	8.09	4.85	45.29	4.53
Fast	110	--	27.20	9.59	11.41	3.37	51.57	5.16
Ceilings								
Slow	68	--	28.47	6.82	6.71	6.72	48.72	4.87
Medium	80	--	30.75	8.89	9.91	5.95	55.50	5.55
Fast	93	--	32.17	11.35	13.49	3.99	61.00	6.10

	Labor yards per day	Material by others	Labor cost per 10 yards	Labor burden 10 yards	Overhead per 10 yards	Profit per 10 yards	Total cost per 10 yards	Total price per yard
Large wall areas (corridors, long hallways)								
Walls								
Slow	80	--	24.20	5.81	5.70	5.71	41.42	4.14
Medium	110	--	22.36	6.46	7.21	4.32	40.35	4.04
Fast	125	--	23.94	8.44	10.04	2.97	45.39	4.54
Ceilings								
Slow	78	--	24.82	5.97	5.85	5.86	42.50	4.25
Medium	90	--	27.33	7.91	8.81	5.28	49.33	4.93
Fast	103	--	29.05	10.27	12.18	3.60	55.10	5.51

Canvas sheeting: see Wall fabric, residential, hand pasted

Grasscloth: see Wall fabric, residential, hand pasted

Burlap: see Wall fabric, residential, hand pasted

Natural fabric, silk: see Wall fabric, residential, hand pasted

Natural fabric, felt, linen, cotton: see Wall fabric, residential, hand pasted

The table above assumes that commercial rolls are machine pasted. ADD for surface preparation time from page 425 or from the tables in Part II, Preparation costs beginning on page 295 as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13. Add for ready-mix paste.

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
<b>Wall fabric, residential, hand pasted, single rolls per day 18" to 27" wide</b>								
Coated fabrics								
Cut-up areas (stair halls, landing areas)								
Walls								
Slow	12	--	168.00	40.34	39.58	39.66	287.58	28.76
Medium	13	--	198.46	57.36	63.95	38.37	358.14	35.81
Fast	14	--	225.14	79.47	94.43	27.93	426.97	42.70
Ceilings								
Slow	8	--	252.00	60.50	59.37	59.50	431.37	43.14
Medium	9	--	286.67	82.85	92.38	55.43	517.33	51.73
Fast	10	--	315.20	111.28	132.21	39.11	597.80	59.78
Small rooms (baths, utility rooms)								
Walls								
Slow	13	--	155.08	37.23	36.54	36.61	265.46	26.55
Medium	14	--	184.29	53.24	59.39	35.63	332.55	33.26
Fast	15	--	210.13	74.17	88.14	26.07	398.51	39.85
Ceilings								
Slow	10	--	201.60	48.40	47.50	47.60	345.10	34.51
Medium	11	--	234.55	67.79	75.58	45.35	423.27	42.33
Fast	12	--	262.67	92.75	110.17	32.59	498.18	49.82
Medium rooms (bedrooms, dining rooms)								
Walls								
Slow	18	--	112.00	26.88	26.39	26.44	191.71	19.17
Medium	20	--	129.00	37.28	41.57	24.94	232.79	23.28
Fast	22	--	143.27	50.57	60.09	17.78	271.71	27.17
Ceilings								
Slow	16	--	126.00	30.25	29.69	29.75	215.69	21.57
Medium	18	--	143.33	41.41	46.19	27.71	258.64	25.87
Fast	20	--	157.60	55.64	66.10	19.55	298.89	29.89
Large rooms (living rooms)								
Walls								
Slow	22	--	91.64	21.99	21.59	21.64	156.86	15.69
Medium	25	--	103.20	29.82	33.26	19.95	186.23	18.62
Fast	28	--	112.57	39.74	47.22	13.97	213.50	21.35
Ceilings								
Slow	19	--	106.11	25.48	25.00	25.05	181.64	18.16
Medium	21	--	122.86	35.52	39.59	23.76	221.73	22.17
Fast	23	--	137.04	48.37	57.48	17.00	259.89	25.99



	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
Large wall areas (corridors, long hallways)								
Walls								
Slow	26	--	77.54	18.62	18.27	18.31	132.74	13.27
Medium	29	--	88.97	25.72	28.67	17.20	160.56	16.06
Fast	32	--	98.50	34.78	41.31	12.22	186.81	18.68
Ceilings								
Slow	22	--	91.64	21.99	21.59	21.64	156.86	15.69
Medium	24	--	107.50	31.05	34.64	20.79	193.98	19.40
Fast	26	--	121.23	42.80	50.85	15.04	229.92	22.99
Canvas sheeting								
Medium room walls (bedrooms, dining rooms)								
Walls								
Slow	14	--	144.00	34.56	33.93	34.00	246.49	24.65
Medium	16	--	161.25	46.60	51.96	31.18	290.99	29.10
Fast	17	--	185.41	65.47	77.77	23.00	351.65	35.16
Grasscloth								
Medium room walls (bedrooms, dining rooms)								
Walls								
Slow	15	--	134.40	32.26	31.67	31.73	230.06	23.01
Medium	20	--	129.00	37.28	41.57	24.94	232.79	23.28
Fast	24	--	131.33	46.35	55.08	16.29	249.05	24.91
Burlap								
Medium rooms (bedrooms, dining rooms)								
Walls								
Slow	10	--	201.60	48.40	47.50	47.60	345.10	34.51
Medium	14	--	184.29	53.24	59.39	35.63	332.55	33.26
Fast	18	--	175.11	61.80	73.45	21.73	332.09	33.21
Natural fabric, silk								
Medium rooms (bedrooms, dining rooms)								
Walls								
Slow	8	--	252.00	60.50	59.37	59.50	431.37	43.14
Medium	12	--	215.00	62.15	69.29	41.57	388.01	38.80
Fast	15	--	210.13	74.17	88.14	26.07	398.51	39.85
Natural fabric, felt, linen, cotton								
Medium rooms (bedrooms, dining rooms)								
Walls								
Slow	7	--	288.00	69.16	67.85	68.00	493.01	49.30
Medium	9	--	286.67	82.85	92.38	55.43	517.33	51.73
Fast	11	--	286.55	101.17	120.19	35.55	543.46	54.34

The table above assumes that residential rolls are hand pasted. ADD for surface preparation time from page 425 or from the tables in Part II, Preparation costs beginning on page 295 as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13. Add for ready-mix paste.

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
<b>Wallpaper, commercial, machine pasted, single rolls per day, 27" width</b>								
Blind stock (lining)								
Cut-up areas (stair halls, landing areas)								
Walls								
Slow	19	--	101.89	24.48	24.00	24.05	174.42	17.44
Medium	21	--	117.14	33.89	37.75	22.65	211.43	21.14
Fast	23	--	130.09	45.90	54.56	16.14	246.69	24.67
Ceilings								
Slow	16	--	121.00	29.05	28.51	28.57	207.13	20.71
Medium	18	--	136.67	39.49	44.04	26.43	246.63	24.66
Fast	20	--	149.60	52.80	62.75	18.56	283.71	28.37
Small rooms (restrooms, utility rooms)								
Walls								
Slow	21	--	92.19	22.15	21.72	21.77	157.83	15.78
Medium	25	--	98.40	28.45	31.71	19.03	177.59	17.76
Fast	29	--	103.17	36.44	43.27	12.80	195.68	19.57
Ceilings								
Slow	17	--	113.88	27.35	26.83	26.89	194.95	19.49
Medium	20	--	123.00	35.56	39.64	23.78	221.98	22.20
Fast	22	--	136.00	47.98	57.04	16.87	257.89	25.79
Medium rooms (offices)								
Walls								
Slow	29	--	66.76	16.04	15.73	15.76	114.29	11.43
Medium	35	--	70.29	20.33	22.65	13.59	126.86	12.68
Fast	41	--	72.98	25.74	30.61	9.05	138.38	13.84
Ceilings								
Slow	25	--	77.44	18.59	18.25	18.28	132.56	13.26
Medium	30	--	82.00	23.72	26.43	15.86	148.01	14.80
Fast	34	--	88.00	31.06	36.91	10.92	166.89	16.69
Large rooms (conference rooms)								
Walls								
Slow	35	--	55.31	13.29	13.03	13.06	94.69	9.47
Medium	41	--	60.00	17.34	19.34	11.60	108.28	10.83
Fast	47	--	63.66	22.46	26.70	7.90	120.72	12.07
Ceilings								
Slow	29	--	66.76	16.04	15.73	15.76	114.29	11.43
Medium	34	--	72.35	20.92	23.32	13.99	130.58	13.06
Fast	38	--	78.74	27.77	33.03	9.77	149.31	14.93

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
Large wall areas (corridors, long hallways)								
Walls								
Slow	40	--	48.40	11.62	11.40	11.43	82.85	8.29
Medium	45	--	54.67	15.81	17.62	10.57	98.67	9.87
Fast	50	--	59.84	21.12	25.10	7.42	113.48	11.35
Ceilings								
Slow	33	--	58.67	14.07	13.82	13.85	100.41	10.04
Medium	38	--	64.74	18.70	20.86	12.52	116.82	11.68
Fast	42	--	71.24	25.15	29.88	8.84	135.11	13.51
Ordinary pre-trimmed wallpaper or butt joint work								
Medium room walls (offices)								
Walls								
Slow	26	--	74.46	17.88	17.54	17.58	127.46	12.75
Medium	31	--	79.35	22.96	25.57	15.34	143.22	14.32
Fast	36	--	83.11	29.32	34.86	10.31	157.60	15.76
Ceilings								
Slow	23	--	84.17	20.20	19.83	19.87	144.07	14.41
Medium	28	--	87.86	25.39	28.31	16.99	158.55	15.86
Fast	32	--	93.50	33.00	39.22	11.60	177.32	17.73
Hand-crafted wallpaper								
Medium room walls (offices)								
Walls								
Slow	20	--	96.80	23.24	22.81	22.85	165.70	16.57
Medium	24	--	102.50	29.62	33.03	19.82	184.97	18.50
Fast	28	--	106.86	37.70	44.82	13.26	202.64	20.27
Ceilings								
Slow	18	--	107.56	25.80	25.34	25.39	184.09	18.41
Medium	21	--	117.14	33.89	37.75	22.65	211.43	21.14
Fast	23	--	130.09	45.90	54.56	16.14	246.69	24.67
Flock wallpaper, medium rooms (offices)								
Walls								
Slow	14	--	138.29	33.19	32.58	32.65	236.71	23.67
Medium	17	--	144.71	41.84	46.63	27.98	261.16	26.11
Fast	20	--	149.60	52.80	62.75	18.56	283.71	28.37
Foil wallpaper, medium rooms (offices)								
Walls								
Slow	13	--	148.92	35.76	35.09	35.16	254.93	25.49
Medium	16	--	153.75	44.45	49.55	29.73	277.48	27.75
Fast	19	--	157.47	55.61	66.05	19.54	298.67	29.87

*National Painting Cost Estimator*

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
Canvas wallpaper, medium rooms (offices)								
Walls								
Slow	12	--	161.33	38.75	38.01	38.09	276.18	27.62
Medium	14	--	175.71	50.79	56.62	33.97	317.09	31.71
Fast	16	--	187.00	66.00	78.43	23.20	354.63	35.46
Scenic wallpaper, medium rooms (offices)								
Walls								
Slow	16	--	121.00	29.05	28.51	28.57	207.13	20.71
Medium	18	--	136.67	39.49	44.04	26.43	246.63	24.66
Fast	20	--	149.60	52.80	62.75	18.56	283.71	28.37

The table above assumes that commercial rolls are machine pasted. ADD for surface preparation time from page 425 or from the tables in Part II, Preparation costs beginning on page 295, as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13. Add for ready-mix paste.

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
<b>Wallpaper, residential, hand pasted, single rolls per day 18" to 27" wide</b>								
Blind stock (lining)								
Cut-up areas (stair halls, landing areas)								
Walls								
Slow	11	--	183.27	44.01	43.18	43.27	313.73	31.37
Medium	13	--	198.46	57.36	63.95	38.37	358.14	35.81
Fast	14	--	225.14	79.47	94.43	27.93	426.97	42.70
Ceilings								
Slow	10	--	201.60	48.40	47.50	47.60	345.10	34.51
Medium	11	--	234.55	67.79	75.58	45.35	423.27	42.33
Fast	12	--	262.67	92.75	110.17	32.59	498.18	49.82
Small rooms (baths, utility rooms)								
Walls								
Slow	12	--	168.00	40.34	39.58	39.66	287.58	28.76
Medium	14	--	184.29	53.24	59.39	35.63	332.55	33.26
Fast	16	--	197.00	69.55	82.63	24.44	373.62	37.36
Ceilings								
Slow	11	--	183.27	44.01	43.18	43.27	313.73	31.37
Medium	13	--	198.46	57.36	63.95	38.37	358.14	35.81
Fast	14	--	225.14	79.47	94.43	27.93	426.97	42.70
Medium rooms (bedrooms, dining rooms)								
Walls								
Slow	20	--	100.80	24.20	23.75	23.80	172.55	17.25
Medium	23	--	112.17	32.41	36.15	21.69	202.42	20.24
Fast	26	--	121.23	42.80	50.85	15.04	229.92	22.99
Ceilings								
Slow	18	--	112.00	26.88	26.39	26.44	191.71	19.17
Medium	20	--	129.00	37.28	41.57	24.94	232.79	23.28
Fast	22	--	143.27	50.57	60.09	17.78	271.71	27.17
Large rooms (living rooms)								
Walls								
Slow	23	--	87.65	21.04	20.65	20.69	150.03	15.00
Medium	27	--	95.56	27.61	30.80	18.48	172.45	17.25
Fast	31	--	101.68	35.91	42.65	12.62	192.86	19.28
Ceilings								
Slow	20	--	100.80	24.20	23.75	23.80	172.55	17.25
Medium	22	--	117.27	33.88	37.79	22.67	211.61	21.16
Fast	24	--	131.33	46.35	55.08	16.29	249.05	24.91

# National Painting Cost Estimator

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
Large wall areas (corridors, long hallways)								
Walls								
Slow	29	--	69.52	16.70	16.38	16.41	119.01	11.90
Medium	33	--	78.18	22.59	25.19	15.12	141.08	14.11
Fast	36	--	87.56	30.89	36.73	10.86	166.04	16.61
Ceilings								
Slow	23	--	87.65	21.04	20.65	20.69	150.03	15.00
Medium	25	--	103.20	29.82	33.26	19.95	186.23	18.62
Fast	27	--	116.74	41.22	48.96	14.48	221.40	22.14
Ordinary pre-trimmed wallpaper or butt joint work								
Medium room walls (bedrooms, dining rooms)								
Walls								
Slow	18	--	112.00	26.88	26.39	26.44	191.71	19.17
Medium	21	--	122.86	35.52	39.59	23.76	221.73	22.17
Fast	24	--	131.33	46.35	55.08	16.29	249.05	24.91
Ceilings								
Slow	16	--	126.00	30.25	29.69	29.75	215.69	21.57
Medium	18	--	143.33	41.41	46.19	27.71	258.64	25.87
Fast	20	--	157.60	55.64	66.10	19.55	298.89	29.89
Hand-crafted wallpaper								
Medium room walls (bedrooms, dining rooms)								
Walls								
Slow	12	--	168.00	40.34	39.58	39.66	287.58	28.76
Medium	15	--	172.00	49.69	55.43	33.26	310.38	31.04
Fast	18	--	175.11	61.80	73.45	21.73	332.09	33.21
Ceilings								
Slow	10	--	201.60	48.40	47.50	47.60	345.10	34.51
Medium	12	--	215.00	62.15	69.29	41.57	388.01	38.80
Fast	14	--	225.14	79.47	94.43	27.93	426.97	42.70
Flock wallpaper, medium rooms (bedrooms, dining rooms)								
Walls								
Slow	10	--	201.60	48.40	47.50	47.60	345.10	34.51
Medium	13	--	198.46	57.36	63.95	38.37	358.14	35.81
Fast	16	--	197.00	69.55	82.63	24.44	373.62	37.36
Foil wallpaper, medium rooms (bedrooms, dining rooms)								
Walls								
Slow	9	--	224.00	53.78	52.77	52.88	383.43	38.34
Medium	12	--	215.00	62.15	69.29	41.57	388.01	38.80
Fast	15	--	210.13	74.17	88.14	26.07	398.51	39.85

	Labor rolls per day	Material by others	Labor cost per 10 rolls	Labor burden 10 rolls	Overhead per 10 rolls	Profit per 10 rolls	Total cost per 10 rolls	Total price per roll
Canvas wallpaper, medium rooms (bedrooms, dining rooms)								
Walls								
Slow	8	--	252.00	60.50	59.37	59.50	431.37	43.14
Medium	10	--	258.00	74.56	83.14	49.88	465.58	46.56
Fast	12	--	262.67	92.75	110.17	32.59	498.18	49.82
Scenic wallpaper, medium rooms (bedrooms, dining rooms)								
Walls								
Slow	12	--	168.00	40.34	39.58	39.66	287.58	28.76
Medium	14	--	184.29	53.24	59.39	35.63	332.55	33.26
Fast	16	--	197.00	69.55	82.63	24.44	373.62	37.36

The table above assumes that residential rolls are hand pasted. ADD for surface preparation time from page 425 or from the tables in Part II, Preparation costs beginning on page 295, as needed. For heights above 8 feet, use the High Time Difficulty Factors on page 139. "Slow", "Medium", and "Fast" work are based on the hourly wages specified on page 29, Figure 13. Add for ready-mix paste.

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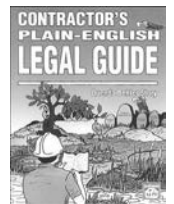
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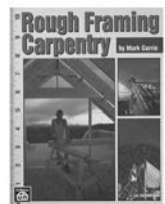
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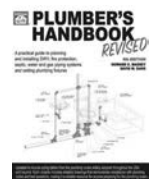
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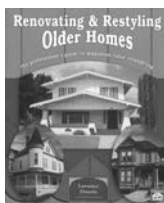
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