



# **Excellence Foundation**

An ISO 9001:2015 Certified Company

[www.excellence-foundation.com](http://www.excellence-foundation.com)

**FINISHING WORK PART - 2**

# FLOORING QUANTITY

## ■ Number of tiles Required -

Length of room = 2.5 m

Width of room = 2.5 m

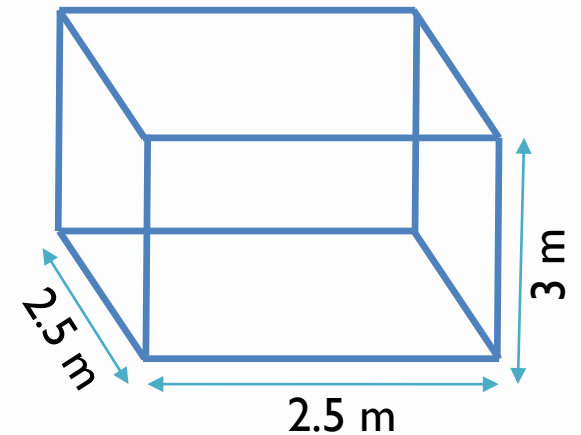
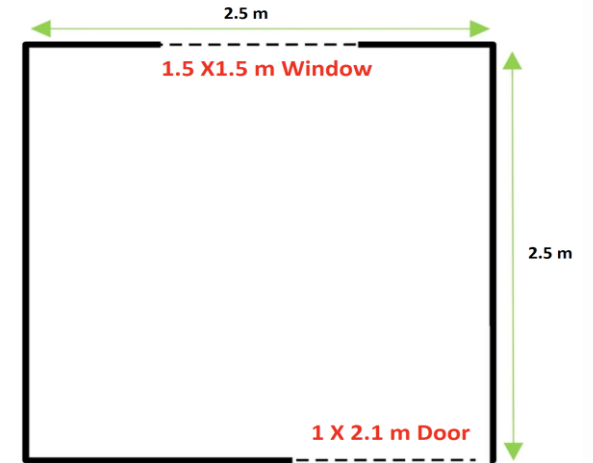
- Floor area =  $L \times W = 2.5 \text{ m} \times 2.5 \text{ m} = 6.25 \text{ Sqm}$

Take 2 ft x 2ft Vitrified Tiles,

Length of tile = 2 ft = 0.6 m

Width of tile = 2 ft = 0.6 m

- Area of tile =  $0.6 \text{ m} \times 0.6 \text{ m} = 0.36 \text{ Sqm}$
- Number of tiles =  $\frac{\text{Floor area}}{\text{Area of 1 tile}} = \frac{6.25}{0.36} = 17.36 \sim 18 \text{ Tiles}$
- Allowing a wastage of 10% Wastage,
- Ordering Tiles =  $18 + 1.8 = 19.8 \sim 20 \text{ Tiles}$



## ■ Mortar Quantity Required -

- Floor area =  $L \times W = 2.5 \text{ m} \times 2.5 \text{ m} = 6.25 \text{ Sqm}$
- Thickness of cement mortar =  $1.5'' = 4 \text{ cm} = 40 \text{ mm}$
- Wet Volume = Floor area x Thickness of cement mortar  
 $= 6.25 \times 0.04 = 0.25 \text{ Cum}$

**Dry Volume is 30 % Extra of a Wet Volume**

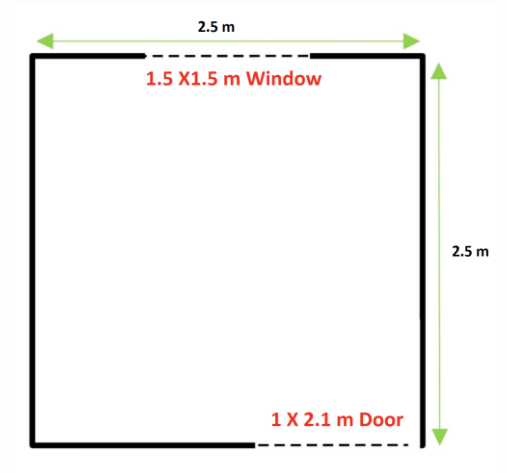
- Dry Volume =  $0.25 \times 1.3 = 0.325 \text{ Cum}$

- Cement =

$$\frac{\text{Cement Ratio} \times \text{Dry Volume of Plaster}}{\text{Total Ratio}} = \frac{1 \times 0.325}{1+4} = 0.065 \text{ Cum}$$

- Sand =

$$\frac{\text{Sand Ratio} \times \text{Dry Volume of Plaster}}{\text{Total Ratio}} = \frac{4 \times 0.325}{1+4} = 0.26 \text{ Cum}$$



Cement Mortar	
1	4

## PAINTING QUANTITY (THUMB RULE)

- **Putti (2 coat)** – 12-16 Sq.ft. / Kg  
Rate = Rs. 800-1000 / Bag  
1 Bag = 40 Kg  
← Putti = Rs 25/ KG
- **Primer (1 coat)** – 120-140 Sq.ft. / Litre  
Rate = Rs 2000-4500 / Bucket  
1 Bucket = 20 Litre  
← Primer = Rs 150 / Ltr
- **Paint (2 coat)** – 40-60 Sq.ft / Litre  
Rate = Rs 3000-7000 / Bucket  
1 Bucket = 20 Litre  
← Painting = Rs 200 / Ltr
- **Labour Charges**– Rs 6-10 /- Per Sq.Ft
- **Note-** 1) Price of Paint May Differ as per colour choice and Luxurious Colour.  
2) Primer & Paint are 1Ltr, 4Ltrs, 10 Ltrs, 20Ltrs in Bucket quantity Available in the market.

## PAINTING QUANTITY (THUMB RULE)

### ■ Estimation of Paint Work -

**Total Build-Up Area- 1000 Sqft**

Paint Area = 1000 Sqft X 4 = 4000 Sqft

(Note – 3.5 or 4 is a Thumb Rule Constant For painting including Ceiling and Wall)

- Putti (2 coat) Quantity –  $4000/12 = 334 \text{ Kg}$  X Rs 25 = 8,350/-
- Primer (1 coat) –  $4000/120 = 34 \text{ Litre}$  X Rs 150 = 5,100 /-
- Paint (2 coat) –  $4000/50 = 80 \text{ Litre}$  X Rs 200 = 16,000 /-
- Labour charges –  $4000 \times \text{Rs } 8 = \text{Rs } 32,000$  /-
- Total Cost For 1000 Sqft Flat Painting => **61,450/-**
- **Note – Price Differ As per material Selection**

