

## 03 54 Cast Underlayment

### 03 54 16 – Hydraulic Cement Underlayment

03 54 16.50 Cement Underlayment		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0010	<b>CEMENT UNDERLAYMENT</b>									
2510	Underlayment, P.C. based, self-leveling, 4100 psi, pumped, 1/4" thick	C-8	20000	.003	S.F.	2.06	.14	.04	2.24	2.52
2520	1/2" thick		19000	.003		4.12	.15	.04	4.31	4.79
2530	3/4" thick		18000	.003		6.20	.16	.04	6.40	7.11
2540	1" thick		17000	.003		8.25	.17	.04	8.46	9.35
2550	1-1/2" thick	↓	15000	.004		12.35	.19	.05	12.59	13.95
2560	Hand placed, 1/2" thick	C-18	450	.020		4.12	.92	.26	5.30	6.20
2610	Topping, P.C. based, self-leveling, 6100 psi, pumped, 1/4" thick	C-8	20000	.003		2.19	.14	.04	2.37	2.65
2620	1/2" thick		19000	.003		4.37	.15	.04	4.56	5.05
2630	3/4" thick		18000	.003		6.55	.16	.04	6.75	7.50
2660	1" thick		17000	.003		8.75	.17	.04	8.96	9.90
2670	1-1/2" thick	↓	15000	.004		13.10	.19	.05	13.34	14.80
2680	Hand placed, 1/2" thick	C-18	450	.020	↓	4.37	.92	.26	5.55	6.45

## 03 62 Non-Shrink Grouting

### 03 62 13 – Non-Metallic Non-Shrink Grouting

#### 03 62 13.50 Grout, Non-Metallic Non-Shrink

0010	<b>GROUT, NON-METALLIC NON-SHRINK</b>									
0300	Non-shrink, non-metallic, 1" deep	1 Cefi	35	.229	S.F.	7.95	12.15		20.10	26.50
0350	2" deep	"	25	.320	"	15.95	17		32.95	42.50

### 03 62 16 – Metallic Non-Shrink Grouting

#### 03 62 16.50 Grout, Metallic Non-Shrink

0010	<b>GROUT, METALLIC NON-SHRINK</b>									
0020	Column & machine bases, non-shrink, metallic, 1" deep	1 Cefi	35	.229	S.F.	9.25	12.15		21.40	28
0050	2" deep	1 Cefi	25	.320	S.F.	18.45	17		35.45	45.50

## 03 63 Epoxy Grouting

### 03 63 05 – Grouting of Dowels and Fasteners

#### 03 63 05.10 Epoxy Only

0010	<b>EPOXY ONLY</b>									
1500	Chemical anchoring, epoxy cartridge, excludes layout, drilling, fastener									
1530	For fastener 3/4" diam. x 6" embedment	2 Skwk	72	.222	Ea.	4.23	13.10		17.33	24.50
1535	1" diam. x 8" embedment		66	.242		6.35	14.30		20.65	28.50
1540	1-1/4" diam. x 10" embedment		60	.267		12.70	15.70		28.40	37.50
1545	1-3/4" diam. x 12" embedment		54	.296		21	17.45		38.45	49.50
1550	14" embedment		48	.333		25.50	19.65		45.15	57.50
1555	2" diam. x 12" embedment		42	.381		34	22.50		56.50	70.50
1560	18" embedment	↓	32	.500	↓	42.50	29.50		72	90.50