



Bulletin Number: T21-004

Date: August 31, 2021

Distribution: External

Estimating Data

Epoxy Mortar Loading Level Yield

Resinous Binder (gallons)	Silica Sand (gallons)	Mortar Approximate (gallons)
1	+1	1.6
1	+2	2.2
1	+3	2.8
1	+4	3.4
1	+5	4.0

1 gallon of silica sand (i.e. flint shot)
Untapped = 12 – 14 pounds

All above figures will vary according to mesh size and amount of entrained air.

Epoxy Mortar Coverage

Mortar (binder & sand)	Coverage (sq. ft)	Thickness (inches)
1 gallon	25.7	1/16
1 gallon	12.8	1/8
1 gallon	8.6	3/16
1 gallon	6.4	1/4
1 gallon	4.3	3/8
1 gallon	3.2	1/2

Volume Requirements for Filling Joints

Lineal Feet Per Gallon Inches

INCH	1/4	1/2	3/4	1	1 1/4	1 1/2
1/4	308.0					
1/2	154.0	77.0				
3/4	102.7	51.3	34.2			
1	77.0	38.5	25.7	19.3		
1 1/4	16.6	30.8	20.5	15.4	12.3	
1 1/2	51.3	25.7	17.1	12.8	10.3	8.6
1 3/4	44.0	22.0	14.7	11.0	8.8	7.3
2	38.5	19.3	12.8	9.6	7.7	6.4
2 1/2	30.8	15.4	10.3	7.7	6.2	5.1
3	25.7	12.8	8.6	6.4	5.1	4.3

Coverage for Coating

Thickness of Coating Applied (1000 mils - 1in.)	Coverage per U.S. Gallon 100% Solids System
1/4 in = 250 mils	6.4 sq ft
3/16 in = 187.5 mils	8.5 sq ft
1/8 in = 125 mils, 100 mils	12.8 sq ft, 16 sq ft
1/16 in = 62.5 mils, 50 mils	25.5 sq ft, 32 sq ft
1/32 in = 31.25 mils, 20 mils	51.0 sq ft, 80 sq ft
1/64 in = 15.625 mils, 10 mils, 5 mils, 1 mil	102.0 sq ft, 160 sq ft, 320.0 sq ft, 1604 sq ft

If coating contains a solvent that will evaporate, thickness of coating will be reduced by same percentage as solvent loss.

Conversion Factors

1 gallon = 231 cubic inches | Cubic yard = 202 gallons = 27 cubic ft | 1 cubic foot = 7.48 gallons