

Estimating Data

Epoxy Mortar & Patching Coverage

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 to 14 pounds

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

Volume Requirements for Filling Joints

Lineal Feet Per Gallon Inches

inch	¼	½	¾	1	1¼	1½
¼	308.0					
½	154.0	77.0				
¾	102.7	51.3	34.2			
1	77.0	38.5	25.7	19.3		
1¼	16.6	30.8	20.5	15.4	12.3	
1½	51.3	25.7	17.1	12.8	10.3	8.6
1¾	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
2½	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

TABLE 2

Mortar (binder & sand)	Coverage (square 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

CONVERSION FACTORS

1 gallon = 231 cubic inches
1 cubic yd = 202 gallons = 27 cubic ft
1 cubic foot = 7.48 gallons

Coverage for Coating

Thickness of Coating Applied (1000 mils - 1 in)	Coverage per U.S. Gallon 100% Solids System
¼ 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. 16.0 sq. ft.
1/16 in = 62.5 mils 50 mils	25.5 sq. ft. 32.0 sq. ft.
1/32 in = 31.25 mils 20 mils	51.0 sq. ft. 80.0 sq. ft.
1/64 in = 15.625 mils 10 mils 5 mils 1 mil	102.0 sq. ft. 160.0 sq. ft. 320.0 sq. ft. 1600.0 sq. ft.

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

