

TD.511 – TECHNICAL DATA: Estimating Guide for Epoxy Mortar Systems

Revised: 3/16/2023 Version: 1.2

How to use the charts below:

Assume the requirement is to place a ¼" thick trowel applied epoxy floor.

1 gallon of mixed epoxy and 5 gallons of typical blend of silica sand = 4 mortar gallons see chart #1.

Chart #2 details how many square feet coverage for each mortar gallon.

Thus 4 mortar gallons @ ¼ inch thickness = 4.0 x 6.4 = 25.6 square feet per mix @1/4' thickness

(1)

EPOXY MORTAR YEILD

<u>EPOXY RESIN MIXED GALLON</u>	<u>AGGREGATE GALLON</u>	<u>MORTAR GALLON</u>
1	1	1.6
1	2	2.2
1	3	2.8
1	4	3.4
1	5	4.0
1	6	4.6
1	7	5.2

(2)

**COVERAGE PER GALLON OF EPOXY MORTAR
(EPOXY BINDER WITH SILICA SAND)**

<u>THICKNESS IN INCHES</u>	<u>COVERAGE SQ. FT. PER GALLON</u>
1/16"	25.7
1/8"	12.8
3/16"	8.6
1/4"	6.4
3/8"	4.3
1/2"	3.2

(3)

**Coverage for 100% solids epoxy coatings
(Any coating with no solvents)
(1000 MILS = 1" THICKNESS)**

<u>THICKNESS OF COATING APPLIED</u>	<u>COVERAGE PER US GALLON</u>
1/4" = 250.00 MILS	6.4 SQ. FT. PER GALLON
3/16" = 187.5 MILS	8.5 SQ FT PER GALLON
1/8" = 125.0 MILS	12.8 SQ FT PER GALLON
1/16" = 62.5 MILS	25.5 SQ FT PER GALLON
1/32" = 31.25 MILS	51.0 SQ FT PER GALLON
1/64" = 15.63 MILS	102.0 SQ FT PER GALLON
10 MILS	160.0 SQ FT PER GALLON
5 MILS	320 SQ FT PER GALLON
1 MIL	1600 SQ FT PER GALLON

(4)

**JOINT FILLING
(LINEAL FEET PER GALLON)**

<u>Width</u>	<u>Depth</u>	<u>Coverage per Gallon</u>	<u>Width</u>	<u>Depth</u>	<u>Coverage per Gallon</u>
1/4"	1/4" =	308 lf	1 3/4"	1/4" =	44 lf
1/2"	1/4" =	154 lf	1 3/4"	1/2" =	22 lf
1/2"	1/2" =	77 lf	1 3/4"	3/4" =	14.7 lf
3/4"	1/4" =	102.7 lf	1 3/4"	1" =	11.0 lf
3/4"	1/2" =	51.3 lf	1 3/4"	1 1/4" =	8.8 lf
3/4"	3/4" =	34.2 lf	1 3/4"	1 1/2" =	7.3 lf
1"	1/4" =	77 lf	2"	1/4" =	38.5 lf
1"	1/2" =	38.5 lf	2"	1/2" =	19.3 lf
1"	3/4" =	25.7 lf	2"	3/4" =	12.8 lf
1"	1" =	19.3 lf	2"	1" =	9.6 lf
1 1/4"	1/4" =	61.6 lf	2"	1 1/4" =	7.7 lf
1 1/4"	1/2" =	30.8 lf	2"	1 1/2" =	6.4 lf
1 1/4"	3/4" =	20.5 lf	2 1/2"	1/4" =	30.8 lf
1 1/4"	1" =	15.4 lf	2 1/2"	1/2" =	15.4 lf
1 1/4"	1 1/4" =	12.3 lf	2 1/2"	3/4" =	10.3 lf
1 1/2"	1/4" =	51.3 lf	2 1/2"	1" =	7.7 lf
1 1/2"	1/2" =	25.7 lf	3"	1/4" =	25.7 lf
1 1/2"	3/4" =	17.1 lf	3"	1/2" =	12.8 lf
1 1/2"	1" =	12.8 lf	3"	3/4" =	8.6 lf
1 1/2"	1 1/4" =	10.3 lf	3"	1" =	6.4 lf
1 1/2"	1 1/2" =	8.6 lf	3"	1 1/4" =	5.1 lf