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

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How to use the charts below:

Assume the requirement is to place a $\frac{1}{4}$ " 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 @ $\frac{1}{4}$ inch thickness = 4.0 x 6.4 = 25.6 square feet per mix @1/4' thickness

(1)						
EPOXY MORTAR YEILD						
EPOXY RESIN MIXED GALLON	AGGREGATE GALLON	MORTAR GALLON				
1	1 2	1.6 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)					
THICKNESS IN INCHES	COVERAGE SQ. FT. PER GALLON				
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)

		Cov	verage for 100% solids epoxy coatings (Any coating with no solvents) (1000 MILS = 1" THICKNESS)
THICK	NESS	OF COATING APPLIED	COVERAGE PER US GALLON
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

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the contert and suitability for the applications they intend to use our products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven dams is replacement of amages.

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				(4)					
	JOINT FILLING								
(LINEAL FEET PER GALLON)									
<u>Width</u>	Depth	<u> </u>	Coverage per Gallon	<u>Width</u>	Width Depth		Coverage per Gallon		
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 ¼"	=	8.8 lf		
3/4"	3⁄4"	=	34.2 lf	1 ³⁄4"	1 ½"	=	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 ¼"	=	7.7 lf		
1 1⁄4"	1/2"	=	30.8 lf	2"	1 ½"	=	6.4 lf		
1 1⁄4"	3⁄4"	=	20.5 lf	2 ½"	1⁄4"	=	30.8 lf		
1 1⁄4"	1"	=	15.4 lf	2 ½"	1⁄2"	=	15.4 lf		
1 1⁄4"	1 ¼"	=	12.3 lf	2 ½"	³ ⁄4"	=	10.3 lf		
1 1⁄2"	1/4"	=	51.3 lf	2 ½"	1"	=	7.7 lf		
1 1⁄2"	1/2"	=	25.7 If	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 If	3"	³ ⁄4"	=	8.6 lf		
1 1⁄2"	1 ¼"	=	10.3 lf	3"	1"	=	6.4lf		
1 1⁄2"	1 ½"	=	8.6 lf	3"	1 ¼"	=	5.1 lf		

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