

# ESTIMATING DATA & CONVERSIONS

## ESTIMATING NEAT EPOXIES FOR BOLT GROUTING

Diameters in Inches	Cubic Inches per 1 Inch of Depth
1/4"	0.05
1/2"	0.20
3/4"	0.45
1"	0.80
1-1/4"	1.25
1-1/2"	1.80
1-3/4"	2.45
2"	3.20
2-1/4"	4.00
2-1/2"	4.95
2-3/4"	5.95
3"	7.10
3-1/4"	8.30
3-1/2"	9.65
3-3/4"	11.10
4"	12.60

Use the above to determine epoxy needed for space between bolt and hole. Subtract cubic inches for bolt diameter from cubic inches for hole diameter and multiply by depth of hole. Then multiply by number of bolts (holes). Add approximately 10% for waste. (1 gallon = 321 cubic inches)

### FUN FACTS

One fluid gallon is 128 ounces.  
 One gallon in volume is 231 cubic inches.  
 Length x Width x Depth = Cubic Volume  
 There are 1728 cubic inches in one cubic foot.

## SEALANT YIELD CHART

The figures listed below show the approximate lineal footage of joint fill per GALLON of sealant. There are approximately 12 standard 10 ounce cartridges per gallon.

Joint Depth	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
1/4"	308'	205'	154'	123'	102'	88'	77'
3/8"	...	136'	102'	82'	68'	58'	51'
1/2"	...	...	77'	61'	51'	44'	38'
5/8"	...	...	...	49'	41'	35'	30'
3/4"	...	...	...	...	34'	29'	25'
7/8"	...	...	...	...	...	25'	22'
1"	...	...	...	...	...	...	19'

## COATING COVERAGE CHART

Theoretical Coverage of 100% solids material.

Thickness, Mils	Square Feet Per Gallon
3.2	500
3.6	450
4.0	400
4.6	350
5.0	300
6.4	250
8.0	200
10.7	150
16.0	100
32.0 (1/32")	50
64.2 (1/16")	25
128.3 (1/8")	12.5

## ESTIMATING CHART FOR MORTARS & TOPPING

Coverage Rate (Square Feet) versus Yield/Thickness

Product Yield (CUBIC FEET)	Thickness			
	1/4 INCH	1/2 INCH	1 INCH	2 INCH
.20	9.60	4.80	2.40	1.20
.25	12.00	6.00	3.00	1.50
.30	14.40	7.20	3.60	1.80
.35	16.80	8.40	4.20	2.10
.40	19.20	9.60	4.80	2.40
.45	21.60	10.80	5.40	2.70
.50	24.00	12.00	6.00	3.30
.55	26.40	13.20	6.56	3.36