

Product Rate-Of-Use Information

All Coatings are normally measured and calculated in "**Mil Thickness**", (*thousands of an inch*)

COATINGS RATE-OF-USE MIL THICKNESS CHART		
Coatings Thickness Inches	Coatings (thousands) Mil Thickness	Coating Coverage Sq. Feet Per Gallon Area
0.001	1	1,604
0.002	2	802
0.003	3.5	458.3
0.005	5	320.8
0.068	6.68	240.1
0.01	10	160.4
0.015	15	106.9
0.02	20	80.2
0.03	30	53.5
1/32"	31.25	51.3
0.04	40	40.1
0.05	50	32.1
1/16"	62.5	25.7
1/8"	125	12.8
0.15	150	10.7
0.175	175	9.2
3/16"	187	8.6
0.2	200	8.0
0.225	225	7.1
1/4"	250	6.4
5/16"	312	5.1
3/8"	375	4.3
7/16"	437	3.7
1/2"	500	3.2
3/4"	750	2.1
1"	1,000	1.604

Formulas For Calculating Coatings Consumption

(This must assume that the surface to be coated is flat and smooth)

There are 1,604 sq. ft., 1 mil thick, in a US gallon of **any liquid.**

1,604 divided by mil thickness (desired)=sq. ft.
Coverage

1,604 divided by sq. ft. Coverage (desired) =mil
thickness

Use these formulas to calculate any coating project

Or use our ready reference charts to the left and
below.

**Dura-Systems Coatings Rate-of-Use
Mil Thickness Chart**

Coating Thickness Inches	Coating Thickness thousands of Inch Mil Thickness	Coverage Sq. Feet Per Gallon AREA	Gallons of Coating Materials Consumed				
			Sq. Ft. 100	Sq. Ft. 500	Sq. Ft. 1,000	Sq. Ft. 2,000	Sq. Ft. 5,000
			0.001	1.0	1,604	0.1	0.3
0.003	3.5	458.3	0.2	1.1	2.2	4.4	10.9
0.005	5.0	320.8	0.3	1.6	3.1	6.2	15.6
0.068	6.7	240.1	0.4	2.1	4.2	8.3	20.8
0.01	13.3	140.0	0.7	3.6	7.1	14.3	35.7
0.015	16.0	100.0	1.0	5.0	10.0	20.0	50.0
1/32" 0.03	31.2	51.2	2.0	9.8	19.5	39.1	97.7
1/16" (.625)	62.5	25.7	3.9	19.5	39.0	77.9	194.8
1/8" (.125)	125.0	12.8	7.8	39.0	77.9	155.9	389.7
1/4" (.25)	250.0	6.4	15.6	77.9	155.9	311.7	779.3
3/8"	375.0	4.3	23.4	116.9	233.8	467.6	1,169.0
7/16"	437.0	3.7	27.2	136.2	272.4	544.9	1,362.2
1/2"	500.0	3.2	31.2	155.9	311.7	623.4	1,558.6
3/4"	750.0	2.1	46.8	233.8	467.6	935.2	2,337.9
1"	1000.0	1.6	62.3	311.7	623.4	1,246.9	3,117.2

Square Crack and Joint Filling Chart

Joint Depth	Gallons of Joint or Crack Filler Required Per 100 Linier Feet									
	Joint Width in Inches									
	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	1 3/4"	2"
1/16"	0.04	0.08	0.12	0.16	0.20	0.24	0.32	0.49	0.57	0.65
1/8"	0.08	0.16	0.24	0.32	0.41	0.49	0.65	0.97	1.14	1.30
1/4"	0.16	0.32	0.49	0.65	0.81	0.97	1.30	1.95	2.27	2.60
1/2"	0.32	0.65	0.97	1.30	1.62	1.95	2.60	3.90	4.55	5.19
5/8"	0.41	0.81	1.22	1.62	2.03	2.44	3.25	4.87	5.68	6.49
3/4"	0.49	0.97	1.46	1.95	2.44	2.92	3.90	5.84	6.82	7.79
1"	0.65	1.30	1.95	2.60	3.25	3.90	5.19	7.79	9.09	10.39
1 1/2"	0.97	1.95	2.92	3.90	4.87	5.84	7.79	11.69	13.64	15.58
1 3/4"	1.14	2.27	3.41	4.55	5.68	6.82	9.09	13.64	15.91	18.18
2"	1.30	2.60	3.90	5.19	6.49	7.79	10.39	15.58	18.18	20.78
2 1/2"	1.62	3.25	4.87	6.49	8.12	9.74	12.99	19.48	22.73	25.97
3"	1.95	3.90	5.84	7.79	9.74	11.69	15.58	23.38	27.27	31.17

Gallons of Materials Required to Produce a Round Bead

Gallons of Materials Required to Produce a Round Bead							
<u>Bead</u> <u>Size,(dia)</u>	<u>Length of Round Bead in Feet</u>						
	<u>5'</u>	<u>10'</u>	<u>25'</u>	<u>50'</u>	<u>100'</u>	<u>500'</u>	<u>1,000'</u>
<u>1/4"</u>	0.01	0.03	0.1	0.1	0.3	1.3	2.5
<u>3/8"</u>	0.0	0.1	0.1	0.3	0.6	2.9	5.7
<u>1/2"</u>	0.1	0.1	0.3	0.5	1.0	5.1	10.2
<u>5/8"</u>	0.1	0.2	0.4	0.8	1.6	8.0	15.9
<u>3/4"</u>	0.1	0.2	0.6	1.1	2.3	11.5	22.9
<u>1"</u>	0.2	0.4	1.0	2.0	4.1	20.4	40.8
<u>1 1/4"</u>	0.3	0.6	1.6	3.2	6.4	31.9	63.7
<u>1 3/8"</u>	0.4	0.8	1.9	3.9	7.7	38.5	77.1
<u>1 1/2"</u>	0.5	0.9	2.3	4.6	9.2	45.9	91.8
<u>1 5/8"</u>	0.5	1.1	2.7	5.4	10.8	53.8	107.7
<u>1 3/4"</u>	0.6	1.2	3.1	6.2	12.5	62.4	124.9
<u>2"</u>	0.8	1.6	4.1	8.2	16.3	81.6	163.1