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Filling Joints - Yield per Gallon

Approximate Linear Feet per Gallon of Joint Fill Products for Different Widths and Depths (inches)

Joint Width (Inches)	Joint Depth (inches)																						
	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/2	4
1/8	1231	820	615	492	410	351	307	245	204	175	153	136	122	111	102	87	76	67	61	55	50	43	38
3/16	820	547	410	328	273	234	204	163	136	116	102	90	81	74	67	58	50	45	40	36	33	28	25
1/4	615	410	307	245	204	175	153	122	102	87	76	67	61	55	50	43	38	33	30	27	25	21	18
5/16	492	328	245	196	163	140	122	98	81	69	61	54	48	44	40	34	30	26	24	21	20	17	14
3/8	410	273	204	163	136	116	102	81	67	58	50	45	40	36	33	28	25	22	20	18	16	14	12
7/16	351	234	175	140	116	100	87	69	58	49	43	38	34	31	28	24	21	19	17	15	14	12	10
1/2	307	204	153	122	102	87	76	61	50	43	38	33	30	27	25	21	18	16	14	13	12	10	9
5/8	245	163	122	98	81	69	61	48	40	34	30	26	24	21	20	17	14	13	11	10	9	8	7
3/4	204	136	102	81	67	58	50	40	33	28	25	22	20	18	16	14	12	10	9	8	8	6	5
7/8	175	116	87	69	58	49	43	34	28	24	21	19	17	15	14	12	10	9	8	7	6	5	5
1	153	102	76	61	50	43	38	30	25	21	18	16	14	13	12	10	9	8	7	6	5	5	4
1 1/8	136	90	67	54	45	38	33	26	22	19	16	14	13	11	10	9	8	7	6	5	5	4	3
1 1/4	122	81	61	48	40	34	30	24	20	17	14	13	11	10	9	8	7	6	5	5	4	3	3
1 3/8	111	74	55	44	36	31	27	21	18	15	13	11	10	9	8	7	6	5	5	4	4	3	3
1 1/2	102	67	50	40	33	28	25	20	16	14	12	10	9	8	8	6	5	5	4	4	3	3	2

Epoxy Mortar

Approximate Yield

Resinous Binder (gallons)	Silica Sand (gallons)	Mortar Yield (gallons)
1	1	1.6
1	2	2.2
1	3	2.8
1	4	3.4
1	5	4

Yield will vary based on size of aggregate and amount of entrained air.

Approximate Coverage
1 Gallon of Mortar

Depth (inches)	Coverage (sq. ft.)
1/16	25.7
1/8	12.8
3/16	8.6
1/4	6.4
3/8	4.3
1/2	3.2

Coatings or Membranes

Approximate Coverage

Thickness of Coating (1000 mils = 1 inch)	Coverage per 1 U. S. Gallon (100% solids system)
250 mils (1/4 in)	6.4 sq. ft.
187 mils (3/16 in)	8.5 sq. ft.
125 mils (1/8 in)	12.8 sq. ft.
100 mils (1/10 in)	16.0 sq. ft.
63 mils (1/16 in)	25.5 sq. ft.
50 mils (1/20 in)	32.0 sq. ft.
31 mils (1/32 in)	50.0 sq. ft.
20 mils (1/50 in)	80.0 sq. ft.
16 mils (1/64 in)	102.0 sq. ft.
10 mils (1/100 in)	160.0 sq. ft.
5 mils (1/200 in)	320.0 sq. ft.
1 mil (1/1000 in)	1600.0 sq. ft.

Note: If the coating contains a solvent which will evaporate, the thickness of the coating will be reduced by the same percentage as the solvent content. For example a 50% solids / 50% solvent material will lose half its wet thickness.

Temperature Effects on Curing Epoxy

Lower Temperatures

For every 18° F **below** 77° F, cure time is roughly **doubled**.

Higher Temperatues

For every 18° F **above** 77° F, cure time is roughly **halved**.

Area and Volume Formulas

Rectangle

Area = Length X Width

Square

Area = Side ^{2}
Diagonal = Side X 1.4142
Side = Diagonal X 0.7071

Circle

Area = Diameter ^{2} X .7854 or Radius ^{2} X 3.1416
Circumference = Diameter X 3.1416
Diameter = Circumference / 3.1416

Triangle

Area = Base X 1/2 of Perpendicular Height

Cube

Area of surface = Side ^{2} X 6
Volume = Side ^{3}

Cylinder

Area of curved surface = Diameter X Length X 3.1416
Volume = Diameter ^{2} X Length X 0.7854

Note: These tables contain reasonable approximations that may be useful for estimating.
As conditions vary from project to project, actual results may differ.