



AC COATING & BONDING AGENT

- Duralprep A.C.

STRUCTURAL ADHESIVES

- Dural Fast Set Epoxy LV, MV, GEL
- Euco #452 Epoxy System LV,MV, GEL
- Duralbond

STRUCTURAL ADHESIVE CARTRIDGES

- Dural Fast Set Epoxy GEL
- Euco #452 Epoxy System GEL

GRAVITY & INJECTION CRACK REPAIR

- Dural Fast Set Epoxy LV (Cartridge & Bulk)
- Euco #452 Epoxy System LV
- Dural 335

STRUCTURAL REPAIR MORTAR

- Duralflex Fastpatch
- Euco #456 Mortar
- Euco #456S Mortar
- Eucopoxy LT Mortar (Cold Applications)

BROADCAST SYSTEMS

- Duraltex
- Eucopoxy Tufcoat DBS
- Flexolith

COATING SYSTEMS

- Duraltex
- Eucopoxy Tufcoat VOX
- Duralkote 240
- Flexolith

VEHICULAR DECK SYSTEMS

- Flexolith
- Flexdeck
- Dural 335

UNDERWATER SYSTEMS

- Aquaseal LV, MV, GEL

EPOXY INFORMATION

Epoxy Mortar

Coverage of one gallon of mixed epoxy mortar.

Depth	Coverage
1/16"	25.5 ft ²
1/8"	12.8ft ²
3/16"	8.5ft ²
1/4"	6.4ft ²
3/8"	4.2ft ²
1/2"	3.2ft ²

Yield for one gallon of epoxy mixed with sand.

Gallons of Sand	Gallons	Ft ³
1	1.6	0.213
2	2.2	0.293
3	2.8	0.372
4	3.4	0.452
5	4.0	0.532

Epoxy Usage Typically an 18°F (8°C) increase in temperature will cut the pot life and cure time in half. Likewise, a similar drop in temperature will double the pot life and cure time for most epoxies.

COATING COVERAGE CALCULATION

The coverage rate required for a particular job can be obtained by dividing 1604 by the mil thickness specified:

Square feet/gallon coverage = (1604) / (mil thickness specified) or **Wet Film Thickness required = (1604) / sq. ft. per gallon** (example: A 12 mil thickness coating specification would require placement at 134 sq. ft./gal.)

Assuming the solids content of the coating in the example above is 35%, the dry film thickness would be reduced from 12 mils to 4.2 mils:

Dry Film Thickness=(Wet Film Thickness)x(% Solids) / (100)

Inches	Mils	Coverage per U.S. Gallon
1/16	62.5	25.5 ft ²
1/32	31.25	51.0 ft ²
	20	80.0 ft ²
	15	102.0 ft ²
	10	160.0 ft ²
	5	320.0 ft ²
	1	600.0 ft ²





ESTIMATING GUIDE FOR NUMBER OF HOLES PER EUCO #452/DURAL FAST SET GEL

Threaded Rod in Concrete		Hole Depth (inches)																		
Rod Size (inches)	Hole Size (inches)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		Number of Holes per Cartridge																		
3/8	7/16	192	128	96	77	64	55	48	43	39	35	32	30	28	26	24	23	22	21	20
1/2	9/16	136	91	68	55	46	39	34	29	28	25	23	21	19	18	17	16	15	15	14
5/8	3/4	70	47	35	28	24	20	18	16	14	13	12	11	10	10	9	9	8	8	7
3/4	7/8	56	37	28	23	19	16	14	13	11	10	10	9	8	8	7	7	7	6	6
7/8	1	47	31	24	19	16	12	12	11	10	9	8	8	7	7	6	6	6	5	5
1	1-1/8	38	26	19	16	13	11	10	9	8	7	7	6	6	5	5	5	5	4	4
1-1/8	1-1/4	34	23	17	14	12	10	9	8	7	7	6	6	5	5	5	4	4	4	4
1-1/4	1-3/8	29	20	15	12	10	9	8	7	6	6	5	5	5	4	4	4	4	3	3
1-1/2	1-5/8	23	16	12	10	8	7	6	5	5	5	4	4	4	3	3	3	3	3	3

Rebar in Concrete		Hole Depth (inches)																		
Rebar Size (inches)	Hole Size (inches)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		Number of Holes per Cartridge																		
No. 3	1/2	163	109	82	66	55	47	41	37	33	30	28	26	24	22	21	20	19	18	17
No. 4	5/8	127	85	64	51	43	37	32	29	26	24	22	20	19	17	16	15	15	14	13
No. 5	3/4	103	69	52	41	35	30	26	23	21	19	17	16	15	14	13	12	12	11	11
No. 6	7/8	82	55	41	32	28	24	21	19	17	15	14	13	12	11	11	10	10	9	9
No. 7	1	72	48	36	29	24	21	18	16	15	13	12	11	11	10	9	9	8	8	8
No. 8	1-1/8	62	41	31	25	21	18	16	14	13	12	11	10	9	9	8	8	7	7	7
No. 9	1-3/8	31	21	16	13	11	9	8	7	7	6	6	5	5	4	4	4	4	4	3
No. 10	1-1/2	30	20	15	12	10	9	8	7	6	6	5	5	5	4	4	4	4	4	3

Smooth Dowel in Concrete		Hole Depth (inches)																		
Dowel Size (inches)	Hole Size (inches)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		Number of Holes per Cartridge																		
3/4	7/8	83	56	42	34	28	24	21	19	17	15	14	13	12	11	11	10	10	9	9
7/8	1	72	48	36	29	24	21	18	16	15	13	12	11	11	10	9	9	8	8	8
1	1-1/8	61	41	31	25	21	18	16	14	12	11	10	10	9	8	8	8	7	7	6
1-1/4	1-3/8	50	33	25	20	17	14	13	11	10	9	9	8	7	7	7	6	6	6	5
1-1/2	1-5/8	42	28	21	17	14	12	11	10	9	8	7	7	6	6	6	5	5	4	4

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