



EPOXY TECHNICAL GUIDE



ANCHORS PER CARTRIDGE ESTIMATING GUIDE

Bolt Size	3/8"		1/2"		5/8"		3/4"		7/8"		1"		1-1/8"		1-1/4"		1-3/8"		
Hole Size	1/2"		5/8"		3/4"		7/8"		1"		1-1/8"		1-1/4"		1-3/8"		1-1/2"		
Cartridge Size (oz.)	10	22	10	22	10	22	10	22	10	22	10	22	10	22	10	22	10	22	
HOLE DEPTHS (INCHES)	1"	148	326	102	224	80	176	65	141	55	120	43	98	44	96	35	78	35	76
	2"	74	162	51	112	40	88	32	71	28	60	22	49	22	43	18	39	18	39
	3"	49	109	34	74	27	59	22	47	18	40	15	32	15	31	12	26	12	25
	4"	37	82	25	57	20	47	16	36	14	30	12	25	11	24	8	19	8	19
	5"	30	65	21	45	16	36	14	27	11	24	9	20	8	19	7	16	7	16
	6"	25	54	17	38	14	29	11	24	9	20	6	17	7	16	6	13	5	13
	7"	22	46	15	32	12	25	9	20	8	17	6	15	6	14	5	12	5	10
	8"	18	41	14	28	10	22	8	18	7	15	5	13	5	13	5	9	5	9
	9"	16	37	12	25	9	20	7	16	6	14	5	12	5	10	4	8	4	8
	10"	15	32	10	22	8	18	6	15	5	13	5	9	5	9	4	7	3	7
	11"	14	29	9	20	8	16	6	13	5	10	4	9	4	8	3	6	3	6
	12"	12	27	8	19	7	15	5	12	5	10	4	8	4	8	3	6	3	6
	13"	12	25	8	18	6	14	5	10	5	9	4	7	3	7	3	6	3	6
	14"	11	23	8	16	6	13	5	10	4	8	3	7	3	7	2	5	2	5
	15"	10	22	7	15	5	12	5	9	4	8	3	6	3	6	2	5	2	5
	16"	9	21	6	14	5	12	4	9	3	7	3	6	3	6	2	5	2	5
	17"	8	19	6	14	5	10	4	8	3	7	2	6	2	5	2	4	2	4
	18"	8	18	5	13	5	9	4	8	3	6	2	5	2	5	2	4	2	4
	19"	8	17	5	12	5	9	4	7	3	6	2	5	2	5	2	4	2	4
	20"	8	17	5	12	4	8	3	7	3	6	2	5	2	5	2	4	2	4

PHYSICAL PROPERTY DATA

Shel Life	4 years for components
Storage Conditions	Store dry at 40°F to 90°F
Injection Temperature	Condition material 60°F minimum
Color	Component A-White Component B-Dark Gray Mixed Epoxy-Uniform Gray
Mixing Ratio	1 to 1
Consistency	Smooth, non-sag paste
Shore Hardness (ASTM D 2240)	D 86-90
Compressive Strength (ASTM D 695)	10,000 psi
Tensile Strength (ASTM-D 638)	4,700 psi, Fast Set 5,400 psi, Slow Set
Flexural Strength (ASTM D 790)	6,200 psi, Fast Set 6,700 psi, Slow Set
Slant Shear Strength (ASTM D 732)	4,900 psi, Fast Set-1 Day 6,700 psi, Slow Set-14 Days
Water Absorption (ASTM D 570)	0.59%
Bond Strength (Dry Cure) (ASTM C 882)	3,000 psi, concrete to concrete. 3,000 psi, steel to concrete.
Shrinkage (ASTM D 2566)	Not measurable

CURE TIMES

BASE MATERIAL TEMP (°F)	MAXIMUM GEL TIME (MINUTES)		MINIMUM CURING TIME (HOURS)		FULL CURING TIME (HOURS) FAST SET	
	FAST SET	STANDARD SET	FAST SET	STANDARD SET	FAST SET	STANDARD SET
40	30	60	8	5	36	48
60	20	45	3	4	24	36
75	15	35	2	3	24	24
90	10	20	1-1/2	2	16	24