



wej-it®

Inject-TITE® Two-Part Structural Epoxy Fast-Set Formula

Key Features/Benefits

- **Non-Shrink.** Won't shrink and cause unwanted forces in member.
- **Non-Sag.** Can be used easily in overhead applications.
- **Low Odor.** Eliminates annoying odors.
- **Solvent Free.** Allows for greater flexibility in applications.
- **Eliminates Expansion Forces.** Can be used close to a free edge.
- **Long Life.** One year shelf life and not sensitive to UV light or heat.
- **Wide Range of Applications.** Can be used in a wide variety of applications, including concrete, masonry, and mortar.
- **Water Insensitive Before, During & After Cure.** Can be used in water-filled or moist holes.
- **Resists tensile and shear loads due to earthquake and wind.** Can be used in areas with seismic concerns.
- **Weather Resistant.** Can be used in locations subject to severe exterior weather conditions.



NOTES:

- Ultimate values shown on chart. For static loads, use one-fourth of the maximum tensile and shear capacities for recommended 4:1 safety factor.
- Blended epoxy should be a consistent gray color. Do not use epoxy which is not blended.
- **Warning:** Avoid contact with skin and eyes. Avoid breathing vapors. May cause allergic reaction. **Treat Eye Contact:** Immediately flush eyes with water for 15 minutes. Obtain medical attention. **Treat Skin Contact:** Wipe off and immediately wash with soap and water. **Treat Ingestion:** Do not induce vomiting. Give water or milk to dilute and obtain medical attention. **Clean Spills:** Insure adequate ventilation. Use absorbent material. **Fight Fire:** Use CO₂, Foam or Dry Chemical. Do not enter a confined area without SCBA. **For Industrial Use Only.**
- **Shelf Life:** 1 year in original unopened container. **Storage Conditions:** Store at 40°-95° F. Condition material to 60°-80° F before using. **Pot Life:** 5-10 minutes. **Appearance:** Compound A (Resin) = White; Compound B (Hardener) = Black.

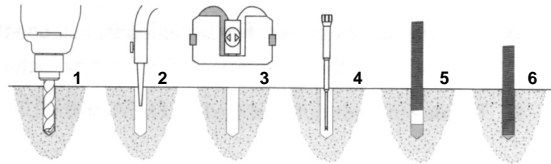
Health	2
Flammable	1
Reactive	0

Installation Instructions

1. Drill holes to correct diameter and depth.*
2. Clean holes with compressed air and a nylon brush.* Dust and debris left in hole will significantly reduce the holding capacity of the anchor.
3. Remove cartridge cap and D-shaped plugs. Place cartridge in dispensing tool and dispense a small amount of adhesive until both black and white components are being ejected.
4. Place mixing nozzle and retaining nut over cartridge opening and tighten. Place cartridge into injection tool. Discard a portion of adhesive until proper mixing is achieved.

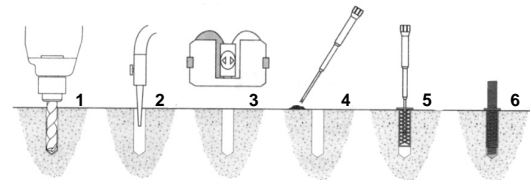
Inject-TITE® Anchors in Concrete

5. Inject epoxy starting from bottom of hole and slowly withdraw to avoid air pockets.
6. Slowly push anchor into hole, rotating in a clockwise motion. See chart for initial bolt-up and cure times.



Inject-TITE® Anchors in Masonry

5. Inject epoxy starting from bottom of screen. Insert screen into the hole.
6. Slowly push anchor into screen, rotating in a clockwise motion. See chart for initial bolt-up and cure times.



* Always wear safety glasses. Follow the drill manufacturer's safety instructions. Use only solid carbide-tipped drill bits meeting ANSI B94 diameter standards.

This is a comprehensive catalog of our major lines and services.

BUT

It does not show ALL available product lines.

If there is something you need that is not shown, we either carry it...or can get it. Please call and we will do everything possible to help you.



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Technical Information - Inject-Tite® Two-Part Structural Epoxy

Average Ultimate Load (lbs) for Threaded Rod Installed in Stone Aggregate Concrete and Static Loading Conditions.

Stud Dia (in)	Hole dia (in)	Embedment (in)	Ultimate Bond Strength Concrete Strength			A36	Allowable Steel Strength A193 B7	300 Series Stainless
			2500 psi	4000 psi	5500 psi			
3/8	7/16	3-3/8	7300	8250	9200	2110	4550	3630
3/8	9/16	3-3/8	9560	•	•	2110	4550	3630
3/8	7/16	5-5/8	10980	11360	11740	2110	4550	3630
1/2	9/16	4-1/2	10540	11730	12920	3750	8100	6470
1/2	11/16	4-1/2	14640	•	•	3750	8100	6470
1/2	9/16	7-1/2	14660	17010	19360	3750	8100	6470
5/8	3/4	5-5/8	14800	18870	22940	5870	12655	10130
5/8	7/8	5-5/8	23340	•	•	5870	12655	10130
5/8	3/4	9-3/8	21560	26260	30960	5870	12655	10130
3/4	7/8	6-3/4	22380	25870	29360	8460	18220	12400
3/4	1	6-3/4	29850	•	•	8460	18220	12400
3/4	7/8	11-1/4	30320	34340	38360	8460	18220	12400
7/8	1	7-7/8	43280	•	•	11500	24800	16860
1	1-1/8	9	55650	•	•	15020	32400	22020
1-1/4	1-3/8	11-1/4	77860	•	•	23480	50610	34420

Average Ultimate Load (lbs) for Reinforcing Bar Installed in Normal Weight Concrete.

Rebar Size	Hole Dia (in)	Embedment (in)	Tension Ultimate Bond Strength Concrete Strength			Allowable Steel Strength Tension or Shear	
			2500 psi	4000 psi	5500 psi	Grade 40	Grade 60
#3	1/2	3-3/8	7080	9050	11020	2200	2640
#4	5/8	4-1/2	12300	14730	17160	4000	4800
#5	3/4	5-5/8	16000	18810	21620	6200	7440
#6	1	6-3/4	39035	•	•	8800	10560
#7	1-1/8	7-7/8	36740	•	•	12000	14400
#8	1-1/4	9	42670	•	•	15600	18720

Allowable Spacing & Edge Distance

	Distance for Full Anchor Capacity (Critical Distance)	Distance for Reduced Anchor Capacity (Minimum Distance)	Reduction Factor
Spacing Between Anchors	24D	8D	.90
Edge Distance - Tension Loads	12D	See Below	See Below
Edge Distance - Shear Loads Thd. Rod	12D	4D	.21
Edge Distance - Shear Loads Rebar	16D	4D	.15

D=Anchor Diameter

Minimum Edge Distance Requirements For Tension Loads For Anchors Installed In Concrete

Stud Size (in)	Minimum Edge Distance C_{mbc}^3	Reduction Factor
3/8	1-1/2	.70
1/2	1-3/4	.66
5/8	1-3/4	.70
3/4	1-3/4	.70
7/8	3-1/2	.70
1	4	.70
1-1/4	5	.70

Specifications, Approvals And Listings

TYPE

State DOT Approvals	Call Customer Service
ICBO-ES	ER5000
ASTM	C-881, Types I and IV, Grade 3, Class B&C

NOTES:

- Allowable loads may be increased by 33.3% for short term loading due to earthquakes or wind.
- Inject-tite is recognized for use in damp or wet holes and in locations subjected to severe exterior weathering conditions.
- Source (available on request): CTI Engineering, San Lorenzo, CA (Tested to ASTM E-488, ICBO-ES AC58 Criteria); 1999.

Minimum Cure Times

Temperature (°F)	Temperature (°C)	Bolt-up Time (hrs)	Cure Time (hrs)
40-60	4.4-15.5	12-24	24-48
61-70	16-21	4-8	12-24
71-80	21.7-26.7	1-2	2-4
> 80	> 26.7	1	1-2

NOTES:

- Information provided only for the use of a qualified design engineer. Use of technical data by persons not qualified could cause serious damage, injury, or even death.
- Bolt-up time is the minimum time before the anchors may be bolted or torqued.
- Minimum cure time is time required for epoxy to achieve full strength.

Estimating Guide*

Bolt Size (in)	3/8	1/2	5/8	3/4	7/8
Hole Size (in)	7/16	9/16	3/4	7/8	1
22 oz Cartridge, Number of Holes per Cartridge					
3"	128	91	47	37	31
4"	96	68	35	28	24
5"	77	55	28	23	19
6"	64	46	24	19	16
7"	55	39	20	16	12
8"	48	34	18	14	12
9"	43	29	16	13	11

1.7 oz Cartridge, Number of Holes per Cartridge

3"	10	7	4	3	2
4"	7	5	3	2	2
5"	6	4	2	2	1
6"	5	4	2	1	1
7"	4	3	2	1	1
8"	4	3	1	1	1
9"	3	2	1	1	1

* No allowance has been made for waste.