



## Minimum Cure Times<sup>2</sup>

Min. Substrate Temp.	Cure Time <sup>1</sup>			Minimum Cure Time <sup>1</sup>		
	AWF Epoxy	Standard Set Epoxy	Fast Set Epoxy	AWF Epoxy	Standard Set Epoxy	Fast Set Epoxy
40°F (5°C)	90 min	F <sup>3</sup>	48 hrs	N/A	F <sup>3</sup>	24 hrs
65°F (18°C)	45 min	48 hrs	36 hrs	N/A	24 hrs	8 hrs
70°F (21°C)	35 min	36 hrs	24 hrs	N/A	12 hrs	2.5 hrs
80°F (27°C)	30 min	24 hrs	12 hrs	N/A	6 hrs	2 hrs
100°F (38°C)	25 min	12 hrs	6 hrs	N/A	4 hrs	1 hr

- Cure Time is time required before epoxy reaches ultimate strength. Minimum Cure Time is the minimum time required before the design or allowable load may be applied. AWF epoxy must COMPLETELY cure before loads are applied, so it has no "minimum" cure time.
- Anchors are to be undisturbed during the minimum cure time.
- "F" indicates Fast Set is recommended.

## Adhesive Accessories

### Order Information: 10" Dispensing Tools

Catalog No.	Description	Quantity
EHT10	For 8.5 oz. and 9.3 oz. Cartridges	1
EHT22	For 22 oz. Cartridges	1
EHT28	For 28 oz. Cartridges	1



### Order Information: Break-Off Mixing Nozzles



Catalog No.	Description	Quantity
ECANZ12	1/2" Nozzle for 8.5 oz. and 9.3 oz. Cartridges	6/Package
ENZ12	1/2" x 18" Nozzle	6/Package
ENZ38	3/8" x 18" Nozzle	6/Package

### Order Information: Stud Assemblies – Straight Cut



Catalog Number			Size (in.)	Quantity Box/Cartron
Carbon Steel Grade 2	Stainless Steel			
		304	316	
CS238-S	CSS38-S	CS638-S	3/8 x 5	50/300
CS212-S	CSS12-S	CS612-S	1/2 x 6-1/4	25/150
CS258-S	CSS58-S	CS658-S	5/8 x 7-1/2	10/60
CS234-S	CSS34-S	CS634-S	3/4 x 9-1/2	10/40
CS278-S	CSS78-S	CS678-S	7/8 x 10-1/4	10/40
CS210-S	CSS10-S	•	1 x 11-3/4	5/20
CS2114-S	•	•	1-1/4 x 14	5/20

Nuts and washers included. For use with Inject-TITE epoxy and Slam-TITE™ hammer-in chemical capsules (see page 55). Bevel Cut Stud Assemblies are for Spin-In capsules ONLY – see page 57.

## Features/Key Benefits

- Three varieties available (see listed pages for specifications, ordering and technical information)
  - All-Weather Formula (p. 49)
  - Fast Set (p. 52) – ICC-ES ESR 2621 approved
  - Standard Set (p. 54)
- Fit in standard 10" dispensing tools (see accessories below)
- Can be used with nylon or stainless steel screens in hollow wall applications to increase strength (see selection below)

**WARNING:** NSTB safety recommendations **prohibit** the use of adhesive anchors in sustained overhead load anchoring applications

## Order Information: Screen Tubes



Catalog No.	Screen	Rod Dia.	Drill Bit Size	Qty.
<b>Nylon Screens for Hollow Wall Applications</b>				
ESCN3814	3/8" x 14"	3/8"	1/2"	1
ESCN1214	1/2" x 14"	1/2"	5/8"	1
ESCN5814	5/8" x 14"	5/8"	3/4"	1
ESCN3414	3/4" x 14"	3/4"	7/8"	1
<b>Stainless Steel Short Screens for Brick and Block</b>				
ESCS3832	3/8 x 3-1/2"	3/8"	1/2"	1
ESCS1232	1/2 x 3-1/2"	1/2"	5/8"	1
<b>Stainless Steel Screens for Brick and Block</b>				
ESCS3860	3/8 x 6"	3/8"	1/2"	1
ESCS3810	3/8 x 10"	3/8"	1/2"	1
ESCS1260	1/2 x 6"	1/2"	5/8"	1
ESCS1210	1/2 x 10"	1/2"	5/8"	1
ESCS5860	5/8 x 6"	5/8"	3/4"	1
ESCS5810	5/8 x 10"	5/8"	3/4"	1
ESCS3410	3/4 x 10"	3/4"	7/8"	1
ESCS3413	3/4 x 13"	3/4"	7/8"	1

## Installation Instructions – All Inject-TITE Epoxies

1. Select the proper drill bit. Using only a solid carbide-tipped drill bit that meet the ANSI B212.15 standard and a hammer drill, proceed to drill the hole perpendicular to the surface and do not allow it to wobble or to ream out the hole. **Always wear safety glasses.** Follow the drill manufacturer's instructions.

2. **Cleanliness of all components is very important** to the successful use of any adhesive system. Using clean dry oil-free compressed air or a vacuum, remove the bulk of the dust and debris from the bottom of the hole.

Next — Using a brush that is at least as big as the hole in diameter (stiff nylon or wire) or a combination of multiple brushes that are together more than the hole diameter, brush the hole top to bottom and back, being very careful to clean the entire bore all the way to the bottom of the hole.

This must be done at least **3 times**. The idea is to clear the concrete of dust allowing a good flow of adhesive into the porosity of the concrete. Using clean dry oil-free compressed air (air nozzle and plastic tube for extension to the bottom of the hole would work well for this) blow out from the bottom up the dust that is brushed off of the walls of the hole. Repeated brushings will not significantly affect hole diameter.

Finally — take the brush and repeat the brushing/blowing procedure until no visible dust or debris is blown out of the hole. **Repeat no less than two more times.**

**IF you do not follow these cleaning procedures,** you could significantly reduce or eliminate the holding capacity of this anchoring system.

3. For 8.5 oz. and 9.3 oz. cartridges: Remove screw-top lid / cap and end plug from cartridge. Screw static mixing nozzle onto cartridge. Place assembled cartridge into the dispensing tool.

For 22 oz. and 28 oz. cartridges: Remove D-shaped plug from cartridge. Slide retaining nut over static mixer. Secure static mixer to cartridge by screwing retaining nut onto cartridge. Place assembled cartridge into the dispensing tool.

4. Make sure that adhesive is properly mixed (**uniform gray color**) when coming out of the end of the static mixing nozzle before filling any hole. This verification should be done on a piece of disposable material and not in the hole. Run a bead and check it to be sure.

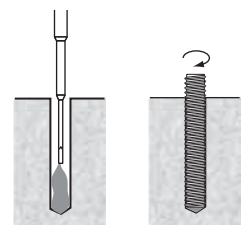
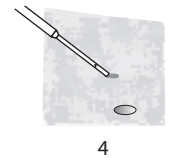
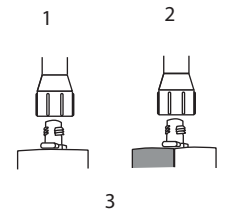
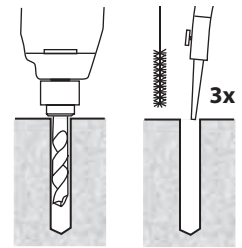
5. In Concrete: Starting at the **BOTTOM** of the hole to avoid air pockets, inject Inject-TITE epoxy into the hole until it's 1/2 full while pulling static mixer out using constant uniform pressure.

In Masonry: Insert nylon or stainless steel screen into hole. Starting from the **BOTTOM** of the screen, inject Inject-TITE epoxy into the screen until it's 1/2 full while pulling static mixer out using constant uniform pressure.

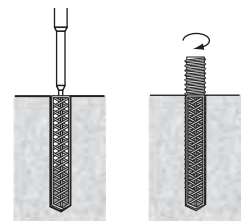
**NOTE:** For both Concrete and Masonry: Dispense under constant uniform pressure. If dispensing is altered, re-establish uniform color prior to continuing. When using a hand dispensing tool, release pressure from tool by pressing thumb button at every pause in dispensing. Re-establish uniform color prior to continuing. Do not use epoxy with color streaks.

6. Slowly push anchor into the hole, rotating in a clockwise motion. See appropriate chart for minimum and full cure times. Anchors are to be undisturbed during the minimum cure time.

**NOTE:** **Always wear safety glasses.** Follow drill manufacturer's instructions. Use only solid carbide-tipped drill bits meeting ANSI B212.15 diameter standards.



5,6  
Concrete



5,6  
Masonry

## Important Information – All Inject-TITE Epoxies

### Limitations

- FOR INDUSTRIAL USE ONLY.
- Concrete or masonry surface must be frost free.
- Do not thin. Solvents will prevent proper cure.
- Minimum age of concrete must be 3 – 7 days, depending on curing and drying conditions
- NSTB safety recommendations **prohibit** the use of adhesive anchors in sustained overhead load anchoring applications.

### Cautions

- Irritant to skin and eyes. Avoid skin contact.
- Use of safety goggles and chemical-resistant gloves is recommended.
- Avoid breathing vapors. Use of a NIOSH/MSHA organic vapor respirator recommended if ventilation is inadequate. Standard-Set and Fast-Set Epoxies are vapor barriers after cure.