

COMMERCIAL ▸ INFRASTRUCTURE

Epcon G5

High Strength Epoxy tested in accordance with ICC-ES AC308

The epoxy resin and hardener are completely mixed as they are dispensed from the dual cartridge through a static mixing nozzle, directly into the anchor hole.

**2009 IBC
Compliant
ICC-ES Report
No. 1137**

Compliant with 2009 IBC. Category 1 performance rating.

For use in uncracked, cracked concrete and seismic applications.



Advantages

- 15 minute nozzle life at 70° degrees F
- Virtually odorless, can be used indoors
- Fire rated: tested up to 4hrs FRP
- Provides the best edge & spacing distance on the market



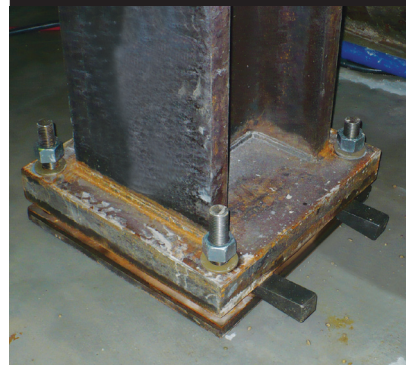
**International Standard
Fire Resistance
Performance**



Approvals

- ICC -ES Evaluation Report No. ESR-1137
- Conforms to ASTM C881-02; Type I & IV; Grade 3; Class A, B, and C; with exceptions
- U.S. Department of Transportation Approvals
- Cola RR-25270
- Florida Building Code Approved

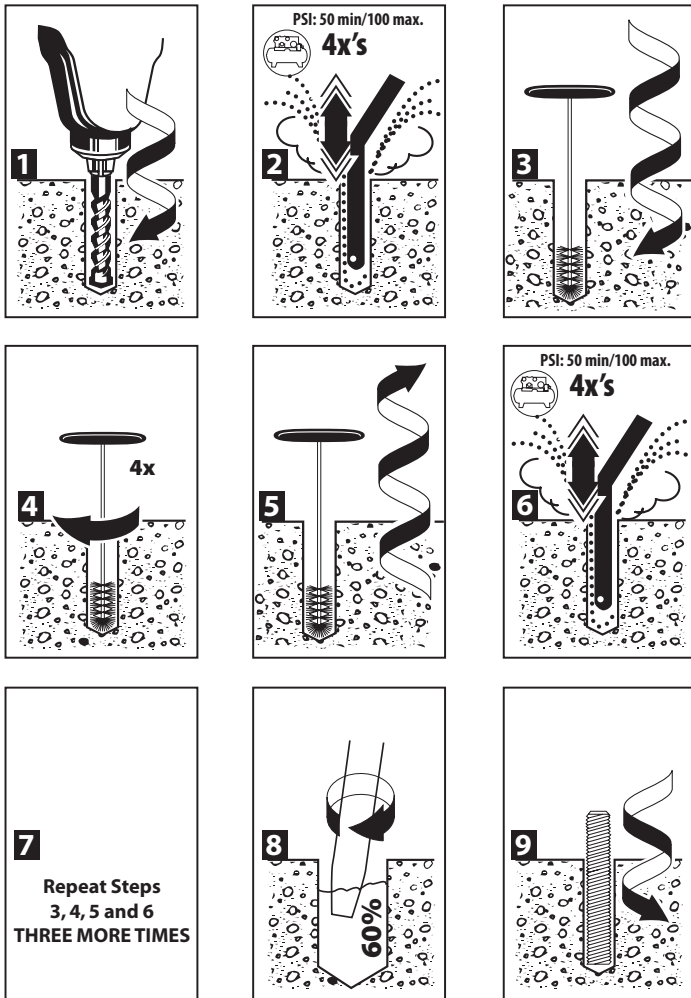
**STEEL COLUMN ANCHORING
WITH THREADED ROD**



**ANCHORING CONCRETE
TRAFFIC BARRIER**



Installation Steps



*For ICC-ES cleaning method, please go online to www.icc-es.org or www.itwredhead.com.

G5-22 fl. oz. Ordering Information

PART NUMBER	DESCRIPTION	BOX/BAG QTY	CARTON QTY
G5-22	G5 Adhesive, 22 Fluid oz. (650ml) Cartridge	N/A	6
E55	Mixing Nozzle for G5-22 and A7-28 Cartridge Nozzle diameter fits 3/8" to 5/8" holes. (overall length of nozzle 14")	24	N/A
E25-6	6-Foot Straight Plastic Extension Tubing (can cut to proper size) (.39 in I.D. x .43 in. O.D.)	6	N/A
E102	Hand Dispenser for G5-22 Cartridges — Dispenses both 18 oz. and 22 oz. Cartridges	1	1
E202	Pneumatic Tool for G5-22 Cartridges	1	1
RH7020	EPCON DRIVE Cordless, Battery Powered Dispensing Tool for the G5-22 Cartridge	1	1

Suggested Specifications

EPOXY ADHESIVE:

High Strength EPOXY ADHESIVE: USA Made, ARRA Certified

1. Odorless, two component resin and hardener, 100% solids (containing no solvents or VOC's), non-sag paste, insensitive to moisture, grey in color, extended working time, medium gel time for warm concrete.
2. Works in wet, damp, or submerged holes.
3. Conforms to ASTM C881-02; Type I & IV; Grade 3; Class A, B, and C; with exceptions.
4. Compressive Strength, ASTM D695-02: 10,344 psi minimum.
5. Heat Deflection Temperature; 144°F minimum.
6. Shelf life: Best if used within 18 months.
7. Formulated for use in warmer concrete, solid grout-filled masonry, and solid brick.
8. Oversized and/or Core drilled holes permitted.
9. Fire-Resistance Performance of 4 Hours

Curing Times

BASE MATERIAL (F°/C°)	WORKING TIME	FULL CURE TIME
110°/ 43°	9 minutes	24 hours
90°/ 32°	9 minutes	24 hours
70°/ 20°	15 minutes	24 hours

Sustained Load Compliant:
Minimum 50 year intended anchor service life
(based on 70°F temperature)

Steel Brushes* to support AC308 hole cleaning

NEW PART NO.	THREADED ANCHOR DIA. (IN.)	REBAR	DRILL BIT DIA. (IN.)	MINIMUM BRUSH DIA. (IN.)	QTY/BAG
SB-038	3/8	#3	7/16	0.563	4
SB-012	1/2	◆	9/16	0.675	4
SB-058	5/8	#5	3/4	0.900	4
SB-034	3/4	#6	7/8	1.125	4
SB-078	7/8	◆	1	1.350	4
SB-010	1	#7	1-1/8	1.463	4
SB-125	1-1/4	◆	1-3/8	1.575	4
NEW PART NO.	DESCRIPTION (Extensions come without brushes)				
ESDS-38	Steel brush 12" usable extension with SDS+ adaptor				
EHAN-38	Steel brush 12" usable extension with T-Handle				

* Proper hole cleaning using a wire brush is essential to achieve optimum performance. Brush may be used up to 50 holes depending on concrete strength. Brushes required for installation of No. 4, No. 8 rebar and larger are available with lead time.
* NOTE: Brushes are still priced each but sold in quantities of 4.



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Because applications vary, ITW Red Head cannot guarantee the performance of this product. Each customer assumes all responsibility and risk for the use of this product. The safe handling and the suitability of this product for use is the sole responsibility of the customer. Specific job site conditions should be considered when selecting the proper product. Should you have any questions, please call the Technical Assistance Department at 800-899-7890.

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