

# Technical Datasheet - C6+ Adhesive Anchor

## Description: High-Strength Epoxy Adhesive

### Product Description

High-Strength structural concrete and masonry adhesive anchoring system

### Adhesive Type

2-part injectable epoxy (1:1 ratio)

### Cartridge Types & Sizes

Durable and re-sealable cartridges available in 2 sizes:  
8.5oz coaxial cartridge (standard caulking tube)  
20oz. dual cartridge

### Approvals

ICC-ES ESR 3577 (Concrete Report)  
2015, 2012, 2009, 2006 International Building Code (IBC) Compliant  
Florida Building Code (FBC)  
City of Los Angeles (COLA)  
Department of Transportation (DOT) Listings (visit [itwredhead.com](http://itwredhead.com) for more info)  
NSF/ANSI 61 Approval for use in Drinking Water System Components  
ASTM C881, Types I, II, IV, and V, Grade 3, Classes A, B, & C (meets Type III except elongation)

### Anchor Sizes & Types

Threaded Rod: 3/8" – 1-1/2"  
Rebar: #3-#11 Rebar

### Load Types

Suitable for use in applications subject to short- and long-term sustained loads, including static, seismic and wind loads in tension or shear.

### Water Resistance

Suitable for use in saturated concrete and water-filled or submerged holes

### Hole Orientation

Suitable for use with vertical down, horizontal and overhead anchors

### Hole Size

1/16" to 1/8" larger than diameter of rod / rebar, contact technical support at (800) 848-5611 for more detail

### Drill Types

Hammer or standard rotary drill using carbide drill bits. For instructions for use with diamond core drills, call Technical Service at (800) 848-5611

### Application Temperatures

40° through 110°F (4° through 43°C)

### In-Service Temperatures

-41° through 176°F (-41° through 80°C)

### Working (Gel Time)

11 minutes at 70°F (21°C)

### Full Cure Time

7 hours at 70°F (21°C)

### Adhesive Color

Gray when properly mixed

### Storage Life & Temperature

24 months from date of manufacture when stored in 40° through 80°F (5° through 26°C)

### Country of Origin

Made in the United Kingdom

For additional information, please visit [www.itwredhead.com](http://www.itwredhead.com)