

### **Adhesive Anchoring** Selection Guide



#### Fastening to Concrete with Threaded Rod

# **Solid Concrete Applications**

PRODUCT SYSTEMS	KEY FEATURES	PROPERTIES	STRENGTH DESIGN PERFORMANCE <sup>1</sup>
A7+ The Most Versatile Quick Cure Works in more applications than the competition 5 fluid oz. (150 ml) kit, 9.5 fluid oz. (280 ml) and 28 fluid oz. (825 ml) cartridges	<ul> <li>The only quick-cure ICC-ES listed for use in all wet</li> <li>Qualified for use in concrete, block, brick, and clay tile. Solid or hollow base materials</li> <li>Cures in only 45 minutes (at substrate temperature of 70°F/21°C)</li> <li>ICC-ES listing for cracked concrete and seismic applications (ICC-ES ESR 3903)</li> <li>ICC-ES listing for masonry applications (ICC-ES ESR 3951)</li> <li>No drip formula that allows direct-injection overhead installation</li> <li>18 month shelf life</li> <li>NSF/ANSI 61</li> </ul>	BASE         FULL           MATERIAL         GEL/WORKING         FULL           (F°/C°)         TIME         CURE TIME           110°/43°         1.5 minutes         45 minutes           90°/32°         3 minutes         45 minutes           70°/21°         5 minutes         45 minutes           50°/10°         15 minutes         90 minutes           30°/-1°         35 minutes         4 hours           14°/-10°         35 minutes         24 hours	NSF. Certified to ANSINGF 61 10,752 3,871 3/8" x 3-3/8" 5/8" x 5-5/8" 1" x 9"
C6+ For the Most Demanding Jobs Red Head's highest strength adhesive MADE IN USA MATE IN U	<ul> <li>At least 25% stronger than the old C6+ formut threaded rod in cracked concrete and with seis</li> <li>Fastest cure time in its class, curing in just 2.75 hours at 90°F and in only 2 hours at 110°F!</li> <li>ICC-ES listing for concrete (uncracked and crack and seismic conditions) and masonry</li> <li>ICC-ES listing for use in core-drill holes, even in cracked concrete</li> <li>Can be used in oversized holes</li> <li>Can be used in core drilled holes</li> <li>Can be used in all wet conditions (saturated, water-filled, and submerged)</li> <li>European fire approval</li> <li>24 month shelf life</li> <li>NSF/ANSI 61</li> </ul>	mic conditions 5	NSF. Carifinatio ANSINSF 01 26,63 13,163 26,63 3/8" x 3-3/8" 5/8" x 5-5/8" 1" x 9"
G5+ Everyday Epoxy Economical general-purpose adhesive MADE IN USA WITH U.S. AVIO CLOBAL MATERIALS 15.2 fluid oz. (450 ml) cartridges and 30.4 fluid oz. (900 ml) cartridges	<ul> <li>At least 50% stronger than the old G5 formulation for threaded rod in cracked concrete and with seismic conditions</li> <li>Cures 3x faster than the old G5 formula</li> <li>Now works down to 40°F</li> <li>ICC-ES listing for concrete (uncracked and cracked concrete, and seismic conditions)</li> <li>Formulated for warm weather with at least 10 minutes of working time</li> <li>Can be used in oversized holes</li> <li>Can be used in core drilled holes</li> <li>Can be used in all wet conditions (saturated, water-filled, and submerged)</li> </ul>	NSF, Certified to Attended to	22,93 3,914

<sup>1</sup>Diameter x Embedment in 4000 psi concrete. All loads given in pounds. Calculated using the ICC-ES threaded rod data in uncracked, dry concrete with periodic inspection. Temperature range A.

\*Red head A7+ replaced Epcon A7 and S7. Red Head C6+ replaced Epcon C6+, and Red Head G5+ replaced Epcon G5. For more information on the retired adhesives (Epcon A7, S7, C6+ and G5), please visit www.itwredhead.com

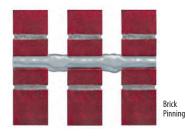
🛹 RED HEAD

Call our toll free number 800-848-5611 or visit our web site for the most current product and technical information at www.itwredhead.com



## Hollow Base Material Applications

Use the following accessories with the A7+ adhesive anchoring system for all of your hollow base material applications.





Fastening to hollow concrete block

#### **ULTIMATE TENSILE**<sup>1,2</sup> **PERFORMANCE (LBS.)** SYSTEM ACCESSORIES **KEY FEATURES Umbrella Anchor** Highest hold in hollow block <u>A7+</u> 1/4", 3/8", or 1/2" rods Fasten to front face of blocks 3,558 3,558 Creates large bearing surface inside block to achieve high loads 3/8″ 1/2″ Umbrella Anchor Makes it possible to use adhesive for fastening to the face of hollow block or tile (see page 60-61) **Nylon Screen Tubes** 3/8" to 3/4" diameter sizes <u>A7+</u> 30%-50% lower cost than stainless screens Special design makes screens easier to insert 2,647 through block or brick Does not get bent or crushed 2,360 Corrosion resistant 3/8" x 8" 3/4" x 8" Makes it possible to use adhesive for fastening to hollow block or brick walls (see page 64) **Stainless Steel** 1/4" & 3/4" diameter sizes A7+ **Screen Tubes** Corrosion resistant Available in 1/4'' thicknesses 2.647 2,360 3/8″ x 8″ 3/4" x 8" Makes it possible to use adhesive for fastening to hollow block or brick walls (see page 64) Short Screen Tubes A7+ 1/4", 3/8", 1/2", 5/8" diameter sizes Fasten to front face of block Anchor remains perpendicular in wall 2,543 2.458 1/2 5/8″ Makes it possible to use adhesive for fastening to the face of hollow block or tile (see page 61)

<sup>1</sup>Testing performed in hollow concrete block.

<sup>2</sup>Diameter x Embedment.

