

Adhesive Anchoring Selection Guide

Solid Concrete Applications

PRODUCT SYSTEMS	KEY FEATURES	PROPE	PROPERTIES			STRENGTH DESIGN PERFORMANCE ^{1,2}		
A7+ Fast Dispensing, Fast Curing Acrylic Install more anchors	Solid or hollow base materials Dispenses easier and faster Use in dry, saturated, and water-filled hole Fastest cure (35 min. at 60°F)	(F*/C*)	EL/WORKING TIME	FULL CURE TIME	NSF. Certified to ANSI/NSF 61			
in less time	Dispenses and cures faster in cold weather	110°/ 43° 90°/ 32° 70°/ 21°	1.5 minutes 3 minutes 5 minutes	45 minutes 45 minutes 45 minutes				
5 fluid oz. (150 ml) kit, 9.5 fluid oz. (280 ml) and 28 fluid oz. (825 ml) cartridges	Can be used in smaller diameter holes	50°/ 10° 30°/ -1° 14°/ -10°	15 minutes 35 minutes 35 minutes	90 minutes 4 hours 24 hours	3,871	10,752	23,17	
	Hand dispensable 28-oz. cartridge 18 month shelf life NSF/ANSI 61				3/8" x 3-3/8"	5/8″ x 5-5/8″	1″ x 9″	
C6+ High Strength Epoxy for All Conditions	35% greater bond strength than the clo competition in 70°F concrete	MATERIAL	WORKING TIME ²	FULL CURE TIME	NSF.			
Delivers better load performance	Better performance in dry, saturated, ar water-filled conditions	nd (F°/C°) 104°/40° 95°/35°	3 minutes 4 minutes	3 hours 4 hours	Certified to ANSI/NSF 61			
	Voersized and Diamond cored holes Safe and durable	86°/ 30° 77°/ 25°	6 minutes 8 minutes 11 minutes	5 hours 6 hours 7 hours		9,692	24,81	
10 fluid oz. (250 ml) cartridges 20 fluid oz. (600 ml) cartridges	Approved for cracked concrete and seisn zones 24 month shelf life	$\frac{72722}{59^{\circ}/15^{\circ}}$ $\frac{50^{\circ}/10^{\circ}}{40^{\circ}/4.4^{\circ}}$	15 minutes 20 minutes 20 minutes	8 hours 12 hours 24 hours	3,489 3/8″ x 3-3/8″	5/8″ x 5-5/8″	1″ x 9″	
	NSF/ANSI 61							
G5 High Strength Epoxy Tested to	Fire rated: tested up to 4hrs FRP	Fire rated: tested up to 4hrs FRP			GUIZED WORLD Fire Fire Tested BS476	Internatio Standard I Resistance	Fire	
ICC-ES AC308 15 min. working time; 24 hour cure time	Gives more time to install anchors Easier to install anchors in hot weather Odorless	BASE MATERIAL (F°/C°)	WORKING TIME	FULL CURE TIME	4 Hrs FRP	Performar	ice	
(Per AC308) (70°F) Per AC308) (70°F) Per AC308	Country C	110°/ 43° 90°/ 32°	9 minutes 9 minutes	24 hours 24 hours		7,016	14,690	
22 fluid oz. (650 ml) cartridge	Resist wind loads 18 month shelf life 100% solid (No V.O.C.)		15 minutes	24 hours	2,526 3/8″ x 3-3/8″	5/8" x 5-5/8"	1″ x 9″	
	NSF/ANSI 61							

¹Diameter x Embedment in 4000 psi concrete.

²All loads given in pounds.

³ Calculated using the ICCES threaded rod data in uncracked, dry concrete with periodic inspection. Temperature range A.

*Red Head A7+ replaced Epcon A7 and S7. For information on the retired A7 and S7 adhesives, please visit www.itwredhead.com





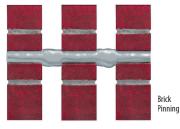
Fastening to Concrete with Threaded Rod

Doweling into Concrete

with Rebar

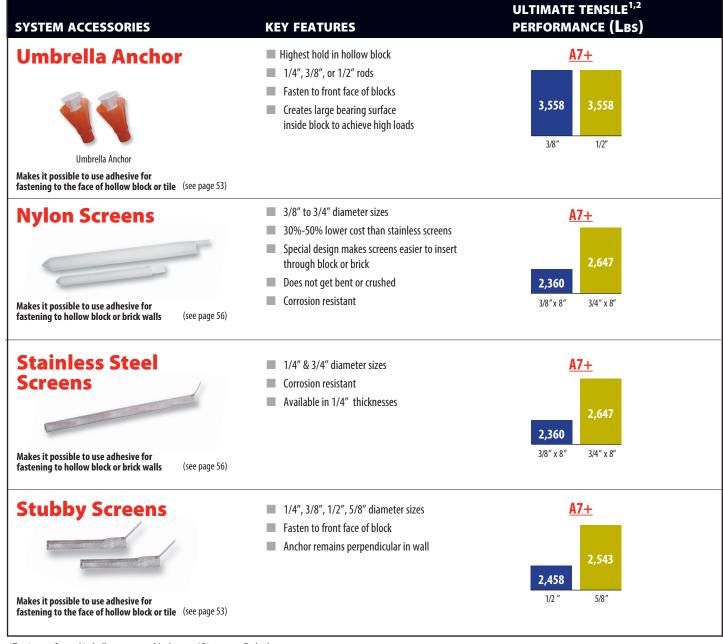
Hollow Base Material Applications

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





Fastening to hollow concrete block



¹Testing performed in hollow concrete block. ²Diameter x Embedment.

