



# ULTRABOND® HS-1CC

## High Strength Epoxy Adhesive



**HIGHEST PERFORMING ANCHORING EPOXY**  
– PERIOD –



**The first and only Code Compliant anchoring adhesive approved for bulk dispensing systems!**

**ULTRABOND®**



**HS-1CC**

**High Strength Anchoring Epoxy**

Anclaje químico estructural de alta resistencia

**Code Compliant IBC/IRC (2018)**

Cumplimiento de código IBC-IRC (2018)

**Threaded Rod and Rebar in Cracked and Uncracked Concrete**

Varilla y barra de refuerzo para concreto fisurado o no fisurado.



Drinking Water System Component ANSI/NSF 61  
Componente de Sistema de Agua potable ANSI/NSF 61

Rango de temperatura de instalación

**INSTALLATION TEMPERATURE RANGE**

43 °F (6 °C) 110 °F (43 °C)

**ADHESIVES TECHNOLOGY**

21.2 fl. oz. (627 ml)



ESR-4094



WATER QUALITY MH61032

### GENERAL USES & APPLICATIONS

- Anchoring threaded rod and reinforcing bar (rebar) into cracked or uncracked concrete using hammer drill or uncracked concrete using core drill
- Suitable for dry, water saturated, water-filled & submerged (underwater) conditions using threaded rod or rebar
- Vertical down, horizontal, upwardly inclined and overhead installations
- Suitable for core drilled installations in dry or water saturated concrete

### STANDARDS & APPROVALS

#### CODE COMPLIANT:

ICC-ES ESR-4094

IBC/IRC 2018, 2015, 2012, & 2009

City of Los Angeles 2017

Florida Building Code 2017 & 2014

Drinking Water System Components NSF/ANSI 61 & 372

AASHTO M235 / ASTM C881-15

Type I, II, IV & V Grade 3 Class A, B & C

Department of Transportation (DOT) Approved or Pending Nationwide

### ADVANTAGES & FEATURES






- ICC ESR-4094 evaluation report for cracked and uncracked concrete
- Building code compliant in cartridge and bulk dispensing systems, IBC/IRC: 2018, 2015, 2012 & 2009
- Highest elevated temperature resistance of any ICC-ES AC308 and ACI 355.4 assessed anchoring epoxy on the market, up to 205 °F (96 °C) under short term loading conditions
- Made in the USA

**ADHESIVES TECHNOLOGY** CORP.

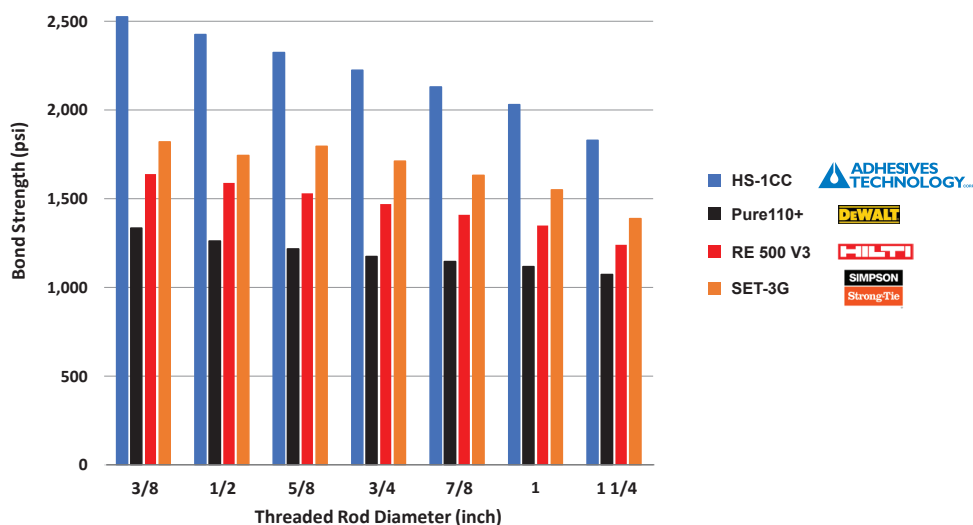
www.atcepoxy.com

1.800.892.1880

## THE CHOICE IS CLEAR

	 <b>ULTRABOND®</b> HS-1CC ESR-4094	 <b>RE 500 V3</b> ESR-3814	 <b>SET-3G</b> ESR-4057	 <b>SET-XP</b> ESR-2508	 <b>Redhead</b> C6+ ESR-4046	 <b>Pure110+</b> ESR-3298
ICC AC308 & ACI 355.4 Tested and Assessed	✓	✓	✓	✓	✓	✓
Convenient 1:1 Mix Ratio	✓	✗	✓	✓	✗	✓
Cartridge & Bulk Code Compliant	✓	✗	✗	✗	✗	✗
Highest Temperature Epoxy = 205 °F	✓	✗	✗	✗	✗	✗
Core-Drilled Holes (SD)	✓	✓	✗	✗	✓	✗
Highest Average Bond Strength	✓	✗	✗	✗	✗	✗
NSF / ANSI 61 & 372 Drinking Water & Lead Free	✓	✗	✗	✗	✗	✗
Dry, Damp, Water-Filled and Submerged Holes	✓	✓	✗	✗	✓	✓
Threaded Rod, Rebar & Internally Threaded Inserts	✓	✓	✗	✗	✗	✗
Fast Full Cure @ 75 °F in 7 hours or less	✓	✓	✗	✗	✓	✗
Concrete Gray Color	✓	✗	✓	✓	✓	✗
No Hole Cleaning w/Vacuum Drill Bits	✓	✓	✓	✓	✗	✓

### BOND STRENGTH IN DRY UNCRACKED CONCRETE, THREADED ROD, 176 °F+ SHORT TERM TEMP\*, NO SUSTAINED LOAD & PERIODIC INSPECTION



\* Note: ITW C6+ (new 2:1 ratio version) is limited to a maximum short term temperature of only 165 °F, and Simpson SET-XP is limited to a maximum short term temperature of only 150 °F, therefore neither publish the performance characteristics necessary in order to compare in this chart to the products which are designed to perform at higher temperatures.

Data Sources for Products in Illustrated Graph: ESR-4094, Issued January 2019 | ESR-3298, Revised December 2018 | ESR-3814, Reissued January 2019 | ESR-4046, Reissued September 2018 | ESR-4057, Revised January 2019 | ESR-2508, Revised December 2018

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For complete product information, please refer to the product TDS at [www.atcepoxy.com](http://www.atcepoxy.com).