

ANCHOR SYSTEMS – GENERAL INFORMATION



Simpson Strong-Tie® Anchor Systems manufactures a full line of anchoring and fastening products for concrete and masonry. The product line includes adhesives for anchoring and crack injection, mechanical anchors, powder actuated fasteners and drill bits. Anchor Systems products offer unique solutions to applications in the light framed construction market when used with, and without, Simpson connectors.

For complete information on product performance, installation requirements and appropriate code listings for Anchor Systems products please refer to the Anchor Systems catalog (*form C-SAS*) or visit www.simpsonanchors.com.

Adhesive Anchor Solutions

ACRYLIC-TIE® HIGH STRENGTH, ALL TEMPERATURE ADHESIVE

Acrylic-Tie® is a two-component, 10:1 ratio acrylic based adhesive for use as a high strength, anchor grouting material. Formulated for use in all types of weather, AT is designed to dispense easily and cure at temperatures down to 0°F. Resin and initiator are dispensed and mixed simultaneously through the mixing nozzle.

CODES: ICC-ER 5791; City of L.A. RR 25459; FL 2304.1



AT13

SET HIGH STRENGTH EPOXY

Epoxy-Tie® SET epoxy is a two-component, low odor, 1:1 ratio, 100% solids epoxy-based adhesive for use as a high strength, non-shrink anchor grouting material. SET is ideal for high load applications where strength is the main concern. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle.

CODES: ICC ESR-1772; City of L.A. RR 25279; FL 5550.3



SET22

ET EPOXY-TIE ADHESIVE

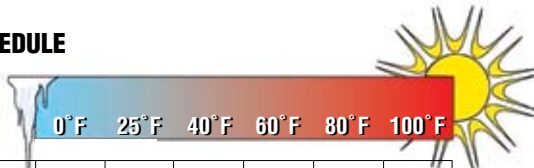
Epoxy-Tie® ET is a two-component, low odor, 1:1 ratio, 100% solids epoxy-based system for use as a high strength, non-shrink anchor grouting material. ET offers an economical solution for general anchoring applications. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle.

CODES: ICC ER-4945; City of L.A. RR 25185 & RR 25120; FL 5550.1



ET22

CURE SCHEDULE



Base Material Temp	AT	Temperature					
		24 hrs	8 hrs	4 hrs	1 hr	25 min	20 min
SET	—	—	72 hrs	24 hrs	20 hrs	16 hrs	
ET	—	—	72 hrs	24 hrs	24 hrs	12 hrs	

Refer to C-SAS for other Adhesive Solutions

Mechanical Anchor Solutions

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson for details.

TITEN HD®

The Titen HD is a patented, high-strength screw anchor for concrete and masonry. The self-undercutting, non-expansion characteristics of the Titen HD makes it the ideal anchor for structural applications, even at minimum edge distances and under reduced spacing conditions. The proprietary cutting teeth enable the Titen HD to be installed in one eighth of the time when compared to traditional expansion anchors, and at significantly reduced installation torques. This heat-treated anchor undercuts the concrete to create a strong mechanical interlock over the entire length of the anchor. The anchor can be installed with a standard ANSI tolerance drill bit and is removable. **WARNING:** Recommended for permanent dry, interior, non-corrosive environments or temporary outdoor applications. Contact Simpson for more information.

CODES: ICC ESR-1056; City of L.A. RR 25560; FL 2304.2



Titen HD

U.S. Patent 5,674,035 & 6,623,228

WEDGE-ALL®

The Wedge-All is a non-bottom bearing, wedge style expansion anchor for use in solid concrete or grout filled masonry. A one-piece clip ensures uniform holding capacity that increases as tension is applied. The threaded stud version is available in nine diameters and multiple lengths. A single size tie-wire version is available for wire supported fixtures. Threaded studs are set by tightening the nut. Tie-wire anchors are set with the claw end of a hammer.

CODES: ICC ER-3631; City of L.A. RR 24682; FL 5415.3



Wedge-All

Refer to C-SAS for other Mechanical Anchor Solutions