

Product Showcase

Anchorage Systems



Thermal Concrete 2-Seal Wing Nut Anchor

The Thermal Concrete 2-Seal™ Wing Nut Anchor is a single-screw veneer tie for concrete, concrete masonry unit, or wood stud construction. The anchor features a dual-diameter barrel with factory-installed EPDM washers to seal both the face of insulation and air and vapor retarders to a surface. The projecting thermal wings are made from an engineering polymer, creating a thermal break and decreasing thermal transfer, and can accept a standard or seismic hook and spin to easily orient pintles and hooks parallel to masonry joints. They can be adapted for seismic zones with the addition of 9 gauge or 3/16 in. (5 mm) wire and a seismic hook.

—Hohmann & Barnard, Inc., www.h-b.com

Power-Stud+ Mechanical Anchors

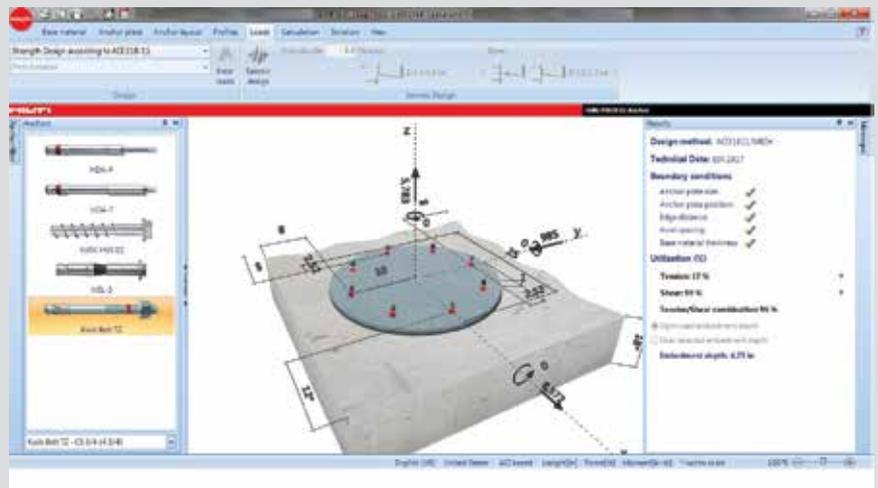
The Power-Stud+ SD4 and SD6 mechanical anchors are the latest addition to the fastener range offered by Powers Fasteners. These anchors are fully threaded, torque-controlled wedge expansion anchors designed for consistent performance in cracked and uncracked concrete. They are Category 1 corrosion-resistant stainless steel anchors featuring a knurled mandrel design that helps prevent galling during the anchor's service life. The design of the anchor allows for follow-up expansion after setting under tensile loading. The anchors are available in diameters from 1/4 to 5/8 in. (6 to 16 mm) and lengths from 1.75 to 8.5 in. (44 to 216 mm).

—Powers Fasteners, Inc., www.powers.com

PROFIS Anchor

Hilti PROFIS Anchor software offers a high level of flexibility and functionality. The program includes the anchor design provisions of ACI 318. Users can design with Hilti mechanical and adhesive anchor systems as well as cast-in-place headed studs and headed bolts. Tutorials explain how to navigate within PROFIS Anchor and the included Design Guide is an interactive tool that explains ACI 318 Appendix D strength design calculations and PROFIS Anchor design assumptions.

—Hilti, www.hilti.com



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MASA Mud sill Anchor

MASA cast-in-place mudsill anchors provide an alternative to anchor bolts in the design of mudsills. Based off of Simpson Strong-Tie's original MAS mudsill anchor, the MASA provides greater load-carrying capacity through improved reinforcement of key sections of the connector. The MASA also includes additional fasteners to improve performance. The standard MASA anchor is designed for installation on standard forms; also available is the MASAP anchor for use on panelized forms. Both anchors attach easily to the concrete form and lay flat on top of the form board.

—Simpson Strong-Tie, www.strongtie.com



Epcon S7

Epcon S7 is a fast-cure, hybrid epoxy that yields a high characteristic bond strength in water-saturated, water-filled, and water-submerged holes and is the only adhesive designed to cure in concrete under water. On the job site, it allows for the installation of threaded rods or reinforcing bars in concrete that is too damp or water-soaked to bond with other adhesives. It is designed to simplify specification and code compliance and has been approved by several organizations, including ICC-ES, under ESR-2308.

—ITW Red Head, www.itw-redhead.com

SPEED-E-ROC

SPEED-E-ROC™ is a pourable, high-strength hydraulic cement compound designed for anchoring and grouting. The cement-based material is ideally suited for anchoring reinforcing steel, threaded rods, sign posts, and other metal objects in concrete. It may also be used as a precision and rapid-setting grout for machinery base plates, bearing plates, and columns. It can be used in interior or exterior environments, including those with wet or cyclic freezing-and-thawing conditions. The compound reaches a compressive strength of 5000 psi (34.5 MPa) in 1 hour and 11,000 psi (75.9 MPa) in 28 days.

—W. R. MEADOWS, www.wrmeadows.com