Products for Tilt-Wall Construction

- Tilt-Wall Bracing
- Wall Connections
- Crack Repair
- Metal Decking Solutions

(800) 999-5099
strongtie.com
Supporting Your Tilt-Wall Construction Projects

The tilt-wall method of concrete construction has proven to be a cost-effective and efficient technique for building commercial buildings. Simpson Strong-Tie has a long track record creating products value-engineered and tested for quality and performance. You can count on us for your tilt-wall anchoring solutions.

Tilt-Wall Bracing

**TITEN HD® Heavy-Duty Screw Anchor for Anchoring Tilt-Wall Panels**

When anchoring a tilt-wall panel, you need an anchor that is easy to install and reliable. The Titen HD installs in seconds and offers the performance needed in these critical applications.

**Strength and Reliability**

As the anchor is driven into the hole, the threads undercut the concrete to form a mechanical interlock. This allows the anchor to efficiently transfer high loads and resist vibration.

**Removable**

Back the Titen HD out of the hole and walk away. There’s no stud to cut off and nothing left in the hole.

Wall Connections

Wall connections for the roof and mezzanines are a crucial part of the structure. Simpson Strong-Tie offers a variety of tested, code-approved anchoring solutions to meet the needs of these connections.

- Titen HD® heavy-duty screw anchor
- Strong-Bolt® 2 wedge anchor
- High-strength anchoring adhesives: SET-3G™, AT-XP®

Crack Repair

Repair cracks in concrete walls, floors, slabs, columns and beams. These epoxies provide a waterproof, high-strength (structural) repair for medium-width cracks in dry, damp or wet conditions with excellent results.

- ETI injection epoxy
Mechanical Anchors

- **Titen HD**
  The original high-strength screw anchor for use in cracked and uncracked concrete as well as uncracked masonry, the Titen HD® offers low installation torque and outstanding performance. Available in carbon steel and in Types 304 and 316 stainless steel, the Titen HD demonstrates industry-leading performance even in seismic conditions.

- **Strong-Bolt 2**
  A wedge-type expansion anchor designed for optimal performance in cracked and uncracked concrete as well as uncracked masonry. The Strong-Bolt® 2 is available in carbon steel, Type 304 and Type 316 stainless steel.

Anchoring Adhesives

- **SET-3G™**
  - High-Strength Epoxy Adhesive
  - For threaded rod and rebar
  - Install in dry, water-saturated or water-filled holes in base materials with temperatures between 40°F and 100°F
  - NSF/ANSI standard 61 approved

- **AT-XP®**
  - High-Strength, Fast-Cure, All-Weather Acrylic Adhesive
  - For threaded rod and rebar
  - Can be used in cold temperatures as low as 14°F
  - NSF/ANSI standard 61 approved

**Speed Clean™ DXS Dust Extraction System**

Save time and money by drilling faster and cleaner. "Drill and fill" while complying with OSHA silica-dust regulations.

- Drill holes 20% faster than with standard bits
- Eliminate "blow-brush-blow" cleaning — greatly reducing dust and cutting installation time by up to 50%

The Speed Clean DXS dust extraction system is a drilling system that reduces health risks from airborne silica dust caused by the hole-drilling and cleaning processes. The Speed Clean DXS system uses a hollow-centered bit to simultaneously drill and clean holes for rebar doweling or anchoring threaded rod, and is code listed for use with Simpson Strong-Tie® AT-XP, SET-XP and SET-3G.

For more information on the OSHA silica-dust regulation: [go.strongtie.com/oshasilica](http://go.strongtie.com/oshasilica).

**Crack Repair**

**ETI Injection Epoxy**

ETI injection epoxies are two-component, high-solids formulations for injection into cracks in concrete. Dispensed through a static mixing nozzle using either a manual, battery-powered or pneumatic dispensing tool, these epoxies provide a waterproof, high-strength structural repair. Available in three viscosities for cracks ranging from 0.002" to ¼".

<table>
<thead>
<tr>
<th>ETI Cartridge System¹</th>
<th>Model No.</th>
<th>Capacity ounces (cubic in.)</th>
<th>Dispensing Tool</th>
<th>Mixing Nozzle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETISLV</td>
<td>16.5 (29.8)</td>
<td>EDT22S</td>
<td>EMN022 (included)</td>
<td></td>
</tr>
<tr>
<td>ETILV22</td>
<td>22 (39.7)</td>
<td>EDT22S</td>
<td>EMN022 (included)</td>
<td></td>
</tr>
<tr>
<td>ETIGV22</td>
<td></td>
<td>EDT22S</td>
<td>EMN022 (included)</td>
<td></td>
</tr>
</tbody>
</table>

1. Bulk containers also available. Contact Simpson Strong-Tie for details.
2. Use only appropriate Simpson Strong-Tie® mixing nozzles in accordance with Simpson Strong-Tie instructions. Modification or improper use of mixing nozzle may impair epoxy performance.
3. EDT22S tool must be configured for 2:1 cartridge ratio.
Paste-Over Crack Sealants and Accessories

CIP and ETR are fast-curing epoxies used to paste over and seal cracks while securing injection ports to the surface of concrete substrates prior to injecting an epoxy or urethane crack repair product. When properly mixed, the products will be a uniform gray color and can be left in place or removed after the repair is complete.

Metal Decking Solutions

We have the high-performance screw alternatives to welds and pins to save you time and money on your next job.

**Strong-Drive® XL**

**LARGE-HEAD METAL Screw**

Applications: wide-valley steel decking or other cold-formed steel framing; connectors to structural steel

**Strong-Drive XM**

**MEDIUM-HEAD METAL Screw**

Applications: wide- or narrow-valley steel decking to structural members; nestable or interlocking steel decking

**Strong-Drive**

**SELF-DRILLING X METAL Screw**

Applications: steel decking to structural steel; steel stitching ("side-lap" stitching), cold-formed steel framing

A Legacy of Service and Support

Simpson Strong-Tie prides itself on delivering a knowledgeable team of sales and engineering experts that our customers have trusted for over 60 years. On the phone, online or on your jobsite, our people are always there to help your projects run smoother, faster and smarter.

Everywhere You Are with the Products and Training You Need

As a leader in innovation, research and testing, Simpson Strong-Tie is one of North America’s largest suppliers of structural building products. With facilities from coast to coast and a distribution network that’s second to none, we can have any product on your jobsite exactly when you need it. And our extensive network of onsite training centers and remote workshops ensure that you’ll have the knowledge you’ll need to get the job done right.