

## PRODUCT SPOTLIGHT

### CBQ vs. CB

"A post base is a post base"... Not so. To better serve our customers, we have taken one of our top selling products and made it better. Faster, easier installation of the "Q" models make installing post bases much more user-friendly and removes the guess work associated with installing the bolts.

- **GREATER FLEXIBILITY FOR SPECIFIER AND INSTALLER**

The CBQ removes the potential for over-drilled and mis-aligned bolt holes and helps avoid project red tags.

- **EASY INSTALLATION**

The CBQ requires only a drill and a hex driver while the CB requires a drill, drill bit, ratchet and adjustable wrench.

- **LOWER INSTALLED COST**

In side-by-side tests, the CBQ post base installs 37% faster than the CB.



CB

- **DIFFERENT FASTENERS**

The CBQ uses our SDS screws, while the CB requires 2 bolts, nuts and washers. The CBQ comes with the fasteners, while the CB does not.

- **INSPECTION IS EASY**

No need to remove the bolt for inspection. All screw lengths are stamped on the head of the screw.



CBQ

- **INCREASED NET SECTION OF POST**

When installed, the SDS screws do not remove material the way bolts do.

- **SAME LOADS**

Both CB and CBQ have the same loads.

- **REDUCED REVEAL**

SDS screws provide reduced reveal for easier drywall or finish coverage. ■

## INSTALLED COST COMPARISON

Product	Qty	Fasteners		CBQ Total Fasteners	CB Total Fasteners	Diff. Screw vs. Bolts	Days To Install	Total \$ Saved
		CBQ44-SDS2	CB44 (Bolts)					
CBQ44-SDS2	100	12	2	1,200	200	\$167.62	1.7	\$367.25*

As you can see, installing 100 CBQ44-SDS2 would save the installer \$367.25 versus the CB44. Also available in HDG for exterior installations.

\*Total \$ Saved is calculated using a labor rate of \$55.00/hour.

## TECHNICAL UPDATE

### PRESSURE-TREATED WOOD UPDATE New Technical Information Available from Simpson

The issue of corrosion caused by many of the newer pressure treated woods continues to be an important issue in the industry. Simpson Strong-Tie continues to research this topic and has recently released updated versions of its technical information on the topic. As usual, for the very latest information, you should visit the website at [www.strongtie.com/info](http://www.strongtie.com/info).

There are several different pieces of technical information you can access to get answers to your questions regarding what

type of connector or fastener should be used with various types of pressure treated wood. Simpson has just released its 2005 Wood Connectors catalog. If you haven't received your new copy through direct mail, you can contact your Simpson sales representative for a copy or visit our website to order the catalog and any other technical literature in which you might be interested. Page 5 of the new catalog provides an excellent summary of the corrosion issue and restates Simpson's recommendations.

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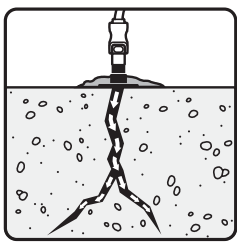
## ANCHOR SYSTEMS UPDATE

### CRACK REPAIR CAN BE A STICKY BUSINESS – LET SIMPSON HELP

If you work with concrete, you know that cracks are a fact of life. Whether it is only a few days into its cure cycle or many years old, concrete can crack for a variety of reasons. And while some cracks are harmless, sometimes cracking can lead to other, larger problems unless it is repaired. This is where Simpson Strong-Tie can help.

Epoxy injection is a proven and accepted method to permanently repair cracks in concrete. When a suitable material is used and installed correctly, the crack is sealed from moisture and strength is restored to the concrete. Until recently, the process of crack injection often required expensive material and equipment that was complicated to use. Simpson's line of crack repair epoxy systems changes that.

The goals behind the development of the product line were to produce a system utilizing high quality materials that are simple to install and yield reliable results. With the introduction of the Crack-Pac® and ETI Injection Epoxies, those goals have been achieved. These epoxies are more than crack fillers, they bond with the concrete to provide a high quality repair.



*Simpson epoxies are formulated to flow into the smallest areas of the crack to provide a high strength repair that seals out moisture.*

Crack-Pac utilizes the same type of epoxy formula used by professionals – only now it can be dispensed using a standard caulking tool. It's ideal for smaller projects because no additional tools are needed. The resin is contained in the cartridge and the hardener in the nozzle. Combine the two and shake to mix. The closed system eliminates guess work regarding mixing ratios and measurement. The low viscosity formula has the consistency of a light oil, allowing it to penetrate a wide range of crack sizes (suggested width range 1/64" - 1/4"). Crack-Pac is also available in the Crack-Pac Kit which includes all of the material needed to pressure inject 8' of vertical cracks.



*ETI and Crack-Pac are ideal for repairing cracks in concrete slabs.*

For larger projects the ETI Injection Epoxy is the system of choice. Available in low (ETI-LV) and gel (ETI-GV) viscosities, ETI can be used to repair cracks from 1/64" to 1/4" wide. Both formulas are offered in 22 ounce side-by-side cartridges along with the new Opti-Mix static mixing nozzle. Cartridges make the product easy to transport and use, eliminating many of the inconveniences associated with bulk systems. The new

Opti-Mix static mixing nozzle utilizes unique square mixing elements and a flow regulator to ensure proper flow and mixing of the epoxy. This means that both ETI viscosities can be dispensed reliably with a manual or pneumatic tool.



*The dual cartridge system makes the ETI epoxy simple to use.*

All of Simpson's crack repair epoxies can be used for either horizontal or vertical applications. When repairing cracks in horizontal slabs, often times the gravity feed method is sufficient. This involves dispensing the epoxy directly into the crack and allowing it to flow down in via gravity. For applications in walls or columns Simpson offers the E-Z-Click Injection accessories and ETR paste-over epoxy. These easy-to-use accessories allow the user to pressure inject vertical cracks.

For more information, request the Anchor Systems Full Line Catalog (C-SAS-2005) or the Crack Repair Epoxy Systems Brochure (F-SAS-INJECT03). Both contain complete technical information on our crack repair products and detailed instructions for use. ■

## TECHNICAL UPDATE

### PRESSURE-TREATED WOOD UPDATE *(continued from page 1)*

For even more detailed information on the topic, including test results, the Pressure-Treated Wood Technical Bulletin (T-PTWOOD05) is your best choice. Another helpful piece is our flier (F-3FINISHES05) which outlines

the list of products we carry in our various finishes – ZMAX™, Hot-Dip Galvanized and Stainless Steel. You can also order a copy of our 2005 CD-ROM which contains all of our technical literature.

Again, because this is an ever evolving topic, it is important to stay informed by reviewing this new literature and/or visiting our website. We will continue to keep you updated on significant findings in this area. ■

## CONTINUING EDUCATION & EVENTS

### NORTHEAST

#### Architects, Engineers, Building Officials & Contractors

Naperville, Illinois Wednesday, January 19  
 Mt. Laurel, New Jersey Wednesday, January 26  
 McLean, Virginia Wednesday, March 2

#### Dealer Distributors

Columbus, Ohio Thursday/Friday, February 17-18

### SOUTHEAST

#### Introduction to High Wind Design & Construction

Jacksonville, Florida Wednesday, March 16

#### Designing for High Wind Construction\*

Jacksonville, Florida Thursday, March 17

*\*Not intended as a first course or for persons not in the design community.*

#### Introduction to Simpson Anchor Systems

Jacksonville, Florida Wednesday, February 23  
 McKinney, Texas Thursday, March 3

#### Advanced Anchor Systems Topics

Jacksonville, Florida Thursday, February 24  
 McKinney, Texas Friday, March 4

#### Designing with Simpson Anchor Systems

St. Louis, Missouri Wednesday, March 30

*For more information regarding workshop content and for a complete schedule, visit the Workshops and Training section of our Web site at [www.strongtie.com/workshops](http://www.strongtie.com/workshops).*

### NORTHWEST

#### General Connector Technology - for All Audiences

St. George, Utah Thursday, February 3  
 Denver (South), Colorado Tuesday, February 8  
 San Francisco, California Thursday, February 17  
 Monterey, California Thursday, March 10  
 Reno, Nevada Thursday, March 24

#### Building Officials & Inspectors

Stockton, California Thursday, February 24  
 Kent, Washington Thursday, March 3

#### Architects, Engineers & Specifiers

Stockton, California Wednesday, January 26  
 Kent, Washington Tuesday, March 1

#### Contractors, Builders & Developers

Stockton, California Thursday, March 17

### SOUTHWEST

#### Building Officials & Inspectors

Brea, California Thursday, February 10

#### Design Professionals

Brea, California Thursday, January 13

#### Contractors, Builders & Developers

Brea, California Thursday, March 10

#### Introduction to Simpson Anchor Systems

Brea, California Thursday, March 24

## TRAINING & EVENTS

### SIMPSON STRONG-TIE® INTRODUCES NEW STEEL STRONG-WALL™ FOR BUILDERS New Shearwall, Pressure-Treated Wood Update, NHQ Certification and More Products at IBS 2005



Simpson Strong-Tie will showcase its new Steel Strong-Wall, the latest pressure-treated wood information, and its National Housing Quality certification at the International Builders' Show in Orlando, FL from January 13-16. Visit the Simpson Strong-Tie booth #W683.

#### NEW STEEL STRONG-WALL

An engineered composite of steel and wood, the Steel Strong-Wall is Simpson's latest addition to its Strong-Wall line and features loads that are between two and three times higher than the original Strong-Wall. The unique design resists distortion of the center section and results in sustained vertical load capacity. Input from framers and installers was important in the development of Simpson's new shearwall, which now includes several features to simplify installation. The design includes pre-attached wood studs to attach interior and

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*Structural Report is published by Simpson Strong-Tie Co., Inc. All information is meant to be relevant and useful. Information provided is for general understanding only. All designs or other information should be evaluated by a qualified design professional.*

#### MAILING LIST

*To revise your mailing information or to add to the mailing list, sign up on our Web site at [www.strongtie.com/newsletter/](http://www.strongtie.com/newsletter/).*

## TRAINING & EVENTS (continued from page 3)

exterior finishes, two easily accessible anchor bolts, fewer top-of-wall screws and numerous pre-drilled holes for mechanical needs.

Available to builders in spring 2005, Simpson's new Steel Strong-Wall is the most cost effective shearwall available today.

### **PRESSURE-TREATED WOOD EDUCATION**

The use of pressure-treated wood in construction is still a relevant and complex topic among builders across the country. Many factors are involved in choosing the type of pressure-treated wood and the appropriate connectors and fasteners. Simpson Strong-Tie will provide educational seminars at its booth to help explain the issues and the latest developments. Mark Crawford, Simpson's Vice President of Engineering, will give daily presentations about the topic at 10:00 a.m., 12:00 p.m. and 2:00 p.m., Thursday through Saturday.

### **NAHB NATIONAL HOUSING QUALITY CERTIFICATION**

Simpson's training materials on fasteners have now been certified by the NAHB Research Center's National Housing Quality (NHQ) Program. Simpson is the first building products manufacturer to become an official sponsor of the NHQ program, which is designed to foster consistency and quality in building practices. Simpson's builder training materials on fasteners met the NAHB Research Center's rigorous program criterion and evaluation, and are helping to improve product installation as well as minimize callbacks and red tags in the field.

Simpson will hold a certification ceremony for media and customers at their booth on Friday, January 14 at 9:30 a.m.

For additional information about Simpson's training program, visit [www.strongtie.com](http://www.strongtie.com) and click on "Workshops and Training."

### **ARCHITECTURAL PRODUCTS GROUP AND OTHER NEW PRODUCTS**

In June, Simpson Strong-Tie launched the Architectural Products Group – a new line of connectors that combine aesthetic design with structural performance. Simpson also has added QuikDrive® specialty fasteners and auto-feed screwdrivers to its product line. Simpson purchased QuikDrive, Inc., a Gallatin, Tenn. based company, in October. QuikDrive auto-feed screw driving systems are known for their speed, ease of operation and reliability. A sampling from the Architectural Products Group and QuikDrive line, as well as several new connector product offerings, will be on display at Simpson's booth. ■



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# STRUCTURALREPORT

### *Inside this issue:*

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- ▶ ***Simpson Strong-Tie Introduces New Steel Strong-Wall™***