

# Products & Practice

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## Atlas Copco Ride-On Trowels

Atlas Copco released three new ride-on trowels for concrete floor specialists. The BG740, BG910, and BG920 were created for quicker movement on concrete, resulting in a more accurate surface. All models feature mechanical drive, a throttle pedal, and a manual blade pitch for improved accuracy. The BG740 is the smallest, with two 36 in. (900 mm) four-blade rotors and a top speed of 135 rpm; the BG910 and BG920 feature 46 in. (1200 mm) rotors with five blades each and top speeds of 145 and 140 rpm, respectively.

—Atlas Copco Construction Equipment, [www.atlascopco.us](http://www.atlascopco.us)



## Eco-CorFlex Clear Hydro-Poly

Eco-CorFlex Clear Hydro-Poly is a permanent sealer and staining solution. This two-component, UV-stable, chemical-resistant industrial coating acts like a sealer with just one application. This sealer can be used on a variety of surfaces, including exposed aggregate, decorative concrete, and previously coated surfaces.

—Garage Floor Coating of Boston, [www.garagefloorcoatingofboston.com](http://www.garagefloorcoatingofboston.com)

## MMFX<sub>2</sub>

MMFX<sub>2</sub> is the only reinforcing bar that can be specified that provides up to twice the strength of conventional steel while maintaining ductility, as approved by the International Code Council and the American Association of State Highway and Transportation Officials. Due to its unique steel microstructure, MMFX<sub>2</sub> is also more corrosion-resistant than conventional steel without the use of coatings, thus allowing it to provide a 100-year service life in bridge structures.

—MMFX Steel Corporation of America, [www.mmfx.com](http://www.mmfx.com)

## ASR 35 Heavy-Duty Vacuum

The ASR 35 is a heavy-duty vacuum that features automatic electromagnetic vibration filter cleaning. The unique filter-cleaning system keeps the vacuum running at peak performance for increased productivity as it eliminates the need to shut down the vacuum for filter cleaning. It is especially suited for job sites where the collection of fine concrete dust created from grinding or cutting is needed. Standard surface prep kits can be used with the ASR 35 to protect from silica dust. It generates an airflow rate of 130 ft<sup>3</sup> (3.7 m<sup>3</sup>) per minute and has a total filter surface of 9.2 ft<sup>2</sup> (0.9 m<sup>2</sup>).

—Metabo Corporation, [www.metabousa.com](http://www.metabousa.com)

## FCM 80 Flexible Cementitious Membrane

FCM 80 is a two-component cementitious membrane specially designed for repairing cracks subject to movement, sealing construction joints, restoring deteriorated concrete, and waterproofing concrete structures. It has strong adhesive and elongation characteristics and is used in conjunction with Xypex<sup>®</sup> Crystalline Waterproofing and Protection System. It can be applied to wet or dry surfaces, is breathable and seamless, matches concrete in color, is resistant to climactic extremes, and is effective when subjected to thermal contraction and expansion.

—Xypex Chemical Corporation, [www.xypex.com](http://www.xypex.com)

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## PG 400 Grinder

Husqvarna's PG 400 grinder provides more width and power than most small grinders. The 220V grinder is easy to use, with an ergonomic handlebar and low noise levels. It includes a dust guard and vacuum port and a 4 hp, one-phase motor. A large range of diamond tooling is available for a wide range of applications, including concrete, overlays, and epoxies. Additionally, its handlebars can be folded over the machine to make it more compact.

—Husqvarna Construction Products, [www.husqvarnacp.com](http://www.husqvarnacp.com)

## Preprufe

Preprufe® is a waterproofing membrane proven to provide a high level of water protection. Designed with synthetic adhesive layers, it uses a proprietary technology that allows concrete to adhere to it, forming an intimate seal that prevents water migration between the waterproofing and the structure and reduces the risk of leaks. It can also be applied on wet concrete and is immediately ready to receive reinforcing bar installation. Recently, it was selected for use with the Port Baku Residences project in Azerbaijan. Preprufe will be used to protect the building's basement, which extends below the water table.

—Grace Construction Products, [www.grace.com](http://www.grace.com)

## Single Liebherr Crane Used in Residential Development Construction

Constructora Triada SAS, a contractor from Lima, Peru, has found a single Liebherr 110 EC-B flat-top crane sufficient to erect six blocks of La Alameda, a middle-class residential project in Bogotá, Colombia. Each block in the project is 15 stories high and, with each block adjacent to another, the crane is able to reach all areas of two blocks simultaneously. The 110 EC-B has an underhook height of 154 ft (47 m), a boom length of 180 ft (55 m), and a maximum lift of 6.6 tons (6 tonnes). At La Alameda, the crane is freestanding, with a single tie placed in front of two adjacent towers. The crane has allowed for the construction of one floor per tower during the course of 2 days.

—Liebherr Group,  
[www.liebherr.com](http://www.liebherr.com)



Information on the items reported in “Products & Practice” is furnished by the product manufacturers, suppliers, or developers who are responsible for the accuracy of the information. Also, the descriptions of these items do not represent endorsement by this magazine, by the American Concrete Institute, or any of its staff. They are published here simply as a service to our readers.

## Web Notes

### Simpson Strong-Tie Launches Structural Engineering Blog

Simpson Strong-Tie recently launched a blog to provide information and resources specifically for structural engineers. The blog is intended to spark discussion and provide a forum for dialogue among peers that structural engineers can apply in their current line of work. Simpson Strong-Tie Engineering R&D Manager Paul McEntee is leading the conversation and posts to the blog weekly. McEntee also responds to comments posted on the blog. The blog includes posts about what’s going on in the structural engineering industry, trends in design and materials, code updates, and Simpson Strong-Tie’s testing and manufacturing processes. Going forward, the blog will include guest posts from other structural engineers within Simpson Strong-Tie, as well as from recognized industry experts and other influential leaders. The blog can be found at [seblog.strongtie.com](http://seblog.strongtie.com); readers can also subscribe to e-mail updates.

—Simpson Strong-Tie, [www.strongtie.com](http://www.strongtie.com)



## Book Notes

### DEWALT® Residential Construction Codes Complete Handbook

by Lynn Underwood

DEWALT, a leading manufacturer of power tools, and Delmar, part of Cengage Learning, have released the latest title in the Complete Handbook series, the *DEWALT® Residential Construction Codes Complete Handbook*. This guide presents the 2012 International Residential Code® in a clear, logical format so that professionals can easily understand and identify the most common code requirements for building one- or two-family dwellings. Sections of the book cover a wide range of residential topics, including foundations, floors, walls, roofs, chimneys and fireplaces, and energy efficiency. Topics are accompanied by detailed illustrations that help explain how the codes are applied in real-world situations. The author is certified by the International Code Council and uses his extensive knowledge of code development and building safety to translate intricate code language into a readable guide that is accessible to all residential construction professionals.

Cengage Learning, website: [www.cengage.com](http://www.cengage.com)

price: \$22.25; 275 pp.; ISBN: 9781133129530

## Products & Service Literature & Videos

### Concrete Technology & Construction—General Principles Training Program

The *Concrete Technology & Construction—General Principles* training program was designed to train candidates for examination by the Institute of Concrete Technology (ICT). It is made up of 35 units arranged in four modules, allowing users to select the units that best suit their requirements. These learning units can be purchased and downloaded to any Windows-based computer to allow for offline learning at a user’s own pace. Each unit incorporates video, animations, and illustrations to aid in the learning process. Units cover the constituents, properties, production, uses, and processes of concrete and concrete construction. The entire program prepares the user for examination by the ICT; passing the exam allows a person to become an affiliated member of the ICT and use the designatory letters AfICT. The program can be purchased and downloaded at [www.isolearntraining.com](http://www.isolearntraining.com).

—Institute of Concrete Technology, [ict.concrete.org.uk](http://ict.concrete.org.uk)