

Products & Practice



OMNEX TD3200

The OMNEX TD3200 is a lightweight, multifunction, two-way radio remote control. It makes it easier to remotely manage, monitor, and operate concrete pump trucks, transit mixers, and other machinery. The device includes two- and three-axis joysticks and toggle switches for smooth operation and precise control, and it includes a high-resolution LCD screen for monitoring machine status. Safety features on the TD3200 include an operator alert buzzer, drop and tilt detection, machine inactivity detection, and emergency stop functionality.

—Cooper Bussmann, www.cooperbussmann.com/wireless

Capital Safety Adds to i-Safe 3.0 Line

Capital Safety announced two additions to its i-Safe™ 3.0 Intelligent Safety System equipment inspection line of products. The Unitech PA690 Handheld Unit is a high-frequency radio-frequency identification (RFID) reader that features a full keyboard and a high-resolution digital camera. The MX5 USB reader allows customers to read RFID tags attached to Capital Safety products and helps manage inventory of safety assets. Both devices are compatible with Android and iOS platforms.

—Capital Safety, www.capitalsafety.com



Superior Walls Withstand Hurricane Sandy

While Hurricane Sandy wrought severe destruction on many coastal areas of New Jersey, several homes built with Superior Walls precast wall and foundation systems were left with minimal damage. Homes founded on the precast systems withstood high winds and storm-water surges of up to 18 in. (450 mm). A home under construction in Ortley Beach, NJ, one of the hardest-hit areas, was completely unaffected by the storm. Another home that was built with above-grade Superior Walls with flood vents was left unharmed. Precast panels built by Superior Walls are steel-reinforced and insulated with rigid Styrofoam™ boards, creating a damp-resistant and energy-efficient building system.

—Superior Walls, www.superiorwalls.com

Brute Turbo

The new BH277OVCD Brute™ Turbo breaker hammer features improved vibration control and a motor design that delivers 23% more impact energy than the previous Brute hammer. Weighing 63 lb (29 kg) and with an impact energy of 43 ft-lb (58 J), the Brute helps break up concrete quickly. A long air cushion reduces vibration levels at the source, and shock-mounted handles minimize the transmission of vibration to the operator. The available Brute Turbo Kit includes four chisels and a deluxe cart that converts into a hand truck.

—Bosch, www.bosch.com



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LevelFlor

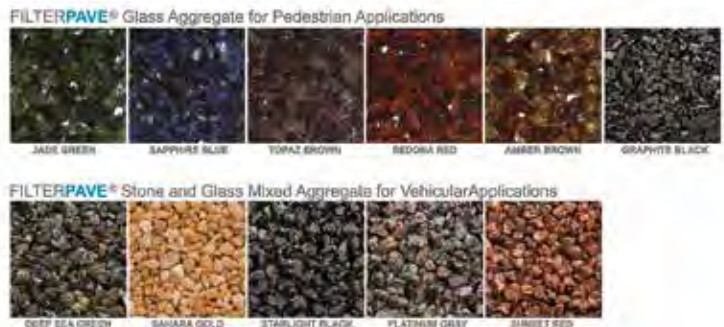
LevelFlor™ is an advanced hydraulic cement-based self-leveling underlayment that can be used both indoors and outdoors. It levels quickly, maintains workability for 30 minutes, and produces a smooth, strong surface with high bond strength. It is ideal for projects that need long flow life and working time while achieving high 24-hour strength—it can accept foot traffic in as little as 4 hours. LevelFlor can be used in indoor or outdoor applications due to its hydraulic cement base and low polymer content.

—CTS Cement, www.ctscement.com

FilterPave Adds New Colors

FilterPave® is now available in 11 colors with the addition of Starlight Black and Platinum Gray in the stone series and Graphite Black in glass. FilterPave is made almost entirely from recycled materials, with about 90 beverage bottles used per square foot. Pavements made with FilterPave are 38% porous and reduce storm-water runoff—allowing it to contribute to LEED credits. An elastomeric binder allows pavement to flex and endure severe weather conditions.

—FILTERPAVE Products LLC, www.filterpave.com



Super Cast

Super Cast is a sprayable surface retarder designed to create an etched finish by preventing the hydration of the cement on the surface of a concrete placement. Super Cast is formulated in various colors. The pigments allow for improved visibility during application and for color coding to allow identification of more than six different etch depths. It acts as a deactivator, allowing the surface to be washed at any time after the initial set. If not removed until the surface is 28 days old, it meets the requirements for a curing compound per ASTM C309, “Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.”

—Clemons Concrete Coatings, www.ccc-usa.com



Rapid Road Repair and FastSet DOT Mix

QUIKRETE® has two road repair products designed to give job-site crews enough time to work but also to bring roads back into service quickly. Rapid Road Repair and FastSet™ DOT Mix are approved by nearly every state department of transportation (DOT) in the United States. Rapid Road Repair is designed specifically for use on bridge decks, highways, and other industrial structures. Made from fast-setting cements and graded aggregates, it provides permanent partial-depth repairs up to 2 in. (50 mm) thick and reaches a strength of 2000 psi (13.7 MPa) in 90 minutes. FastSet DOT Mix is a fiber-reinforced repair material pre-blended with coarse aggregates, making it ideal for applications from 1-1/2 to 24 in. (38 to 600 mm) thick. It reaches 3000 psi (20.5 MPa) in 90 minutes.

—The QUIKRETE Companies, www.quikrete.com

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Book Notes

The Sustainable Use of Concrete

by Koji Sakai and Takafumi Noguchi

Highlighting sustainability issues in the concrete industry, *The Sustainable Use of Concrete*, written by ACI members Koji Sakai and Takafumi Noguchi, presents guidelines on how to move toward sustainable concrete construction. The book provides a historical background on the importance of concrete and the meaning of sustainability. It then outlines areas that need to be considered in connection with sustainability in the concrete and construction fields. Environmental, social and cultural, and economic aspects are examined, and an evaluation system of sustainability is discussed. It gives examples of sustainable concrete technologies and case studies. Ultimately, it provides guidance for creating a world that is safe for both humans and the environment.

CRC Press, website: www.crcpress.com

price: \$145; 188 pp.; ISBN: 9780415667203

Web Notes

My Maxwell from Maxwell Systems

Maxwell Systems has launched a redesign of My Maxwell, a site that provides customers with around-the-clock access to support, training, product information, account details, and much more, from a central location. Users of the site can chat live with technical support; download Maxwell Systems software updates; submit product enhancement requests; watch training videos; arrange for classroom or on-site training; and access thousands of documents, including how-to articles, user guides, and tax information. My Maxwell is available to customers with an active support agreement with Maxwell Systems and is accessible via secure login at www.maxwellsystems.com/mymaxwell.

—Maxwell Systems, Inc., www.maxwellsystems.com

Products & Service Literature & Videos

TCA Releases New Temporary Wind Bracing Guideline

The Tilt-Up Concrete Association (TCA) released a revised version of “TCA Guideline for Temporary Wind Bracing of Tilt-Up Concrete Panels During Construction.” The guideline is intended to provide a standardized method for the design and erection of a temporary bracing system for use during construction of a tilt-up structure. Current Occupational Safety and Health Administration (OSHA) requirements call for the temporary bracing of panels to prevent overturning or collapsing during construction. Because OSHA does not specify a method of bracing, TCA developed guidelines to be used by the construction industry. The first guidelines were released by TCA in 1994 and were based on a 40-year history of bracing panels shorter than 30 ft (9 m) tall. The guidelines were revised in 1998 and 2005 to meet provisions in standards published by the American Society of Civil Engineers. The 2012 edition is updated in response to further standards updates. The new guideline can be purchased at www.tilt-up.org/resources.

—Tilt-Up Concrete Association, www.tilt-up.org

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