



Terex Bid-Well 2418 Work Bridge

The Terex® Bid-Well 2418 work bridge positions concrete finishers close to the surface of bridge decks, linings, and pavement slabs, directly behind paving machines. The work bridge has a 24 in. (610 mm) wide walkway, and its 18 in. (457 mm) deep truss frame is designed to fit over barrier wall steel on bridge decks. Available in 3, 6, and 12 ft (1, 2, and 7 m) truss inserts, the Bid-Well 2418 work bridge meets a variety of operating widths up to 105 ft (32 m).

—Terex Corporation, www.terex.com

Rapid Refloor

Rapid Refloor is a 100% solid, two component, low viscosity structural polyurea/polyurethane hybrid used for repairing cracks and small imperfections, such as bolt holes and pop-outs, in industrial, retail, or commercial concrete floors. Its rapid set chemistry allows the floor to return to service in 30 minutes or less. Rapid Refloor is designed for use on concrete floors where final building temperatures are 32 to 120°F (0 to 49°C).

—Metzger McGuire, www.metzgermcguire.com

TopGard Pipe Bollard Caps

TopGard pipe bollard caps provide a class A form finish. The TopGard pipe bollard cap is comprised of a proprietary 5000 psi (34 MPa) concrete mixture reinforced with micro fibers. Available for 3, 4, 5, 6, 8, and 12 in. (101, 127, 152, 203, and 305 mm) diameter pipe bollards, the patent-pending wet set design can be installed in 10 seconds. The TopGard cap can also be retrofitted to existing pipe bollards.

—TopGard, www.topgardcap.com

EcoCorr

Cortec's EcoCorr™ water-based rust preventative powered by Nano VpCI® is used for temporary indoor protection of equipment and components. When applied to metal surfaces by dipping, brushing, or spraying, EcoCorr forms a clear dry film that is suitable for robotic assembly of precision machined components. In most cases, the dry film of EcoCorr does not interfere with use and does not need to be removed, but this can be easily done when required.

—Cortec Corporation, www.cortecvci.com





PROSOCO Enviro Klean DriKlean

PROSOCO's Enviro Klean® DriKlean removes stains from masonry substrates. It can be applied by spraying, rolling, or brushing. DriKlean safely removes dust, soot, oils, and other surface soiling from limestone, sandstone, marble, travertine, plaster, terra-cotta, concrete, mortar, or brick. The cleaner and soiling easily peel off after drying. DriKlean is low-toxicity and low-odor, and can be used for interior applications.

—PROSOCO, www.prosoco.com

PC210LCi-11 Intelligent Machine Control Hydraulic Excavator

Komatsu America's PC210LCi-11 is a hydraulic excavator with intelligent machine control technology integrated into the base machine. The PC210LCi-11 features three-dimensional (3-D) capabilities using Global Navigation Satellite System (GNSS) technology. Because the technology is tied into the machine hydraulics through stroke-sensing hydraulic cylinders, positioning latency is minimized and work equipment functions can be automated. Intelligent guidance features, such as facing angle compass and minimum distance bucket control, are accessible with a 12.1 in. (307.3 mm) touchscreen display.

—Komatsu America Corp., www.komatsuamerica.com

Vertigraph SiteWorx/OS Version 9.0 Cut and Fill Software

Vertigraph's SiteWorx/OS Version 9.0 software is a tool for surface modeling and quantity takeoff of excavation quantities. With the on-screen digitizing software for site excavation, users can easily import DWG objects, isolate layers, snap to vector file contour lines, and create GPS data for site layout. The version 9 software improvements include auto trace features that allow users to take off contour lines from raster files, export as a DWG file the surface model points, export the takeoff from a PDF file as an AutoCAD DWG file for machine control, and display the existing and proposed elevations with the cut and fill depths at any location on the three-dimensional surface model.

—Vertigraph, Inc., www.vertigraph.com



Simpson Strong-Tie Composite Strengthening System

Simpson Strong-Tie's fabric-reinforced cementitious matrix (FRCM) can repair, protect, and strengthen concrete and masonry structures. The FRCM externally bonded Composite Strengthening System™ combines high-performance sprayable mortar with a carbon-fiber grid and creates a thin structural layer without significantly increasing the structure's weight or volume. The lightweight matrix is ideal for overhead or vertical surface applications in structures such as tunnels, mines, parking garages, silos, bridges, and other buildings with large surface areas. A single, 1 in. (25 mm) layer provides sufficient structural strengthening without substantially constricting tight spaces or adversely affecting facility operations. Further strengthening can be obtained as necessary through the application of additional 1/2 in. (13 mm) layers.

—Simpson Strong-Tie, www.strongtie.com

Web Notes

Orion Labs App Talk

Orion Labs App Talk is a new talk button feature that turns the Orion mobile application into a walkie-talkie. This enables iOS users of Onyx and subscribers of Orion Pro to roll out push-to-talk communication and enhance voice-based automation across workforces. App Talk allows Orion users to talk to bots and access other productivity-enhancing features. These bots and features help users to use voice commands to search internal and external systems or trigger business processes. Examples include Orion Translator, which enables instant speech translation in up to 67 languages; Retail Bot, which allows workers to check inventory and request deliveries with voice commands; Panic Bot, which empowers workers to use voice commands to initiate emergency processes; and IFTTT, which integrates Orion with Google Assistant and Alexa, smart home devices, and other productivity apps.

—Orion Labs, www.orionlabs.io

Book Notes

Significant Changes to the Minimum Design Load Provisions of ASCE 7-16

by Gary Y.K. Chock, S.K. Ghosh, Michael O'Rourke, and T. Eric Stafford

Copublished by ASCE Press and International Code Council, *Significant Changes to the Minimum Design Load Provisions of ASCE 7-16* highlights noteworthy developments within the design load provisions of the newest edition of ASCE 7. The authors summarize and explain the major differences between ASCE 7-10 and 7-16. Topics include general requirements and load combinations; dead and live loads; snow, rain, and ice loads; earthquake loads; wind loads; and new tsunami guidelines. This volume describes more than 100 changes, and it includes an explanation of the rationale behind each change, along with a detailed analysis of its implications. The explanations include photographs, diagrams, and other visual aids.

—American Society of Civil Engineers, www.asce.org

—International Code Council, www.iccsafe.org

Products & Service Literature & Videos

QUIKRETE®'s how-to videos (www.quikrete.com/athome/videos.asp) help users view and understand building or repair projects before starting. QUIKRETE identified the most popular concrete projects last year, based on nearly 12.5 million views. The ten most popular videos were:

1. How to Pour and Finish Concrete;
2. How to Build a Paver Patio;
3. How to Set Posts without Mixing;
4. How to Build a Concrete Block Wall;
5. How to Build Deck Footings;
6. How to Repair Concrete Cracks;
7. How to Resurface Concrete;
8. How to Install Stucco;
9. How to Install Veneer Stone; and
10. How to Build a Block Wall without Mortar.

—The QUIKRETE Companies, www.quikrete.com

