Products & Practice

SB 702 Hydraulic Breaker

Atlas Copco's SB 702 hydraulic breaker is unique from other breakers in its class in that it is designed with a solid steel body. The percussion mechanism and guide system are incorporated into a single block of steel, eliminating the need for side bolts. It can be installed on a variety of carriers; includes a protection valve to prevent damage in the event of hydraulic overload; is engineered to produce lower vibration levels and less noise; and is fuel-efficient.

—Atlas Copco Construction Equipment, **www.atlascopco.us**

Conqueror MAG Bifocal Eye Protection

Conqueror® MAG bifocal eye protection meets the needs of workers who work with small print or perform other detailed tasks. Bifocal safety eyewear prevents workers from switching between regular safety glasses and reading glasses, which can be dangerous on the work site and result in errors or injuries. Available in five diopter strengths from 1.0 to 3.0, these glasses reduce eyestrain and improve safety compliance. At the same time, they are made from a durable, one-piece polycarbonate wraparound lens to shield workers from daily hazards.

—Gateway Safety, **www.gatewaysafety.com**

TF Transforms Corn Silo into Energy-Efficient Office

TF Forming Systems' latest project involves turning a former corn silo into a home and office using vertical insulated concrete forms (ICFs). The owner decided on ICF walls for their strength, energy efficiency, and ability to create radius walls based off the original structure. The 8 in. (200 mm) thick walls created for the building will help minimize the utility costs and are resistant to winds up to 250 mph (400 kph), which is necessary given that the project's location—Mount City, MO—is prone to extreme weather and tornadoes. Extra strength was achieved through the addition of Helix fibers to the concrete mixture. Altogether, the new structure will offer 4900 ft^2 (455 m^2) of office and residential space.

—TF Forming Systems, **www.tfsystem.com**

Products & Practice

Phoenix Project Manager "Work Stream"

The latest addition to the Phoenix Project Manager software is the "Work Stream" process, which simplifies project management and status updates for complex construction projects. It creates easy-to-understand project schedules, which help improve efficiency and productivity. The process includes a user-definable network diagram to simplify complex project bar charts into readable groups, recreating the effective hand-drawn schedules of the past. It also includes two schedule progress views that allow the project team to track the status and make adjustments where and when needed.

—Phoenix Project Management Systems, **www.phoenixcpm.com**

VaporBlock G

VaporBlock® G™ is the first under-concrete-slab vapor retarder on the market to exceed ASTM E1745-11, Class "A." It is co-extruded using state-of-the-art resins in the outer layers and 10% post-consumer recycled content in the core layer. VaporBlock G is an addition to the VaporBlock series of high-performance vapor, gas, and moisture retarders.

—Raven Industries' Engineered Films Division, **www.ravenefd.com**

Super Seal S10

Super Seal S10 is a solvent-based penetrating sealer made of a proprietary combination of reactive compounds designed to protect a concrete surface from staining, freezing and thawing, and salt damage. It contains siloxane to guard the surface of the concrete, and silane that penetrates deep to protect steel wire and reinforcing bars. The product can penetrate through acrylic-sealed concrete and will also reseal previously cured and sealed concrete.

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

Liebherr Cranes Build Designer Homes in India

Two Liebherr 71 EC-B 5 FR.tronic Flat Top cranes are being used to build a new luxury residential project in Pune, India. The development will consist of 228 residential units in 22-story towers. The towers comprise reinforced concrete frames and floor slabs. Each crane is mounted in the central elevator shaft of a tower, climbing internally as the building progresses. The project is scheduled for completion in 2014.

—Liebherr Group, **www.liebherr.com**

Trailblazer Conveyor

The innovative Trailblazer® Conveyor enables crews to set it up or take it down in as little as 2 hours and is ideal for conveying aggregates. It includes 500 ft (150 m) of fully belted and assembled groundline-style conveyor that folds up accordion-style for transport on an attached 84 ft (26 m) trailer. Once the starting and ending points have been determined, the conveyor can be unloaded by a crew of two or four as the truck towing the trailer moves forward. Supports can be added as the conveyor is unloaded. The conveyors are fully customizable to various lengths and widths and capacity limits range from 1000 to 1200 tons (900 to 1100 tonnes) per hour, with belt speeds up to 400 ft (120 m) per minute.

—Superior Industries, **www.superior-ind.com**

Products & Practice

Web Notes

K2 DIAMOND Launches New E-Commerce Site

K2 DIAMOND, a U.S. manufacturer of diamond tools, recently launched a new e-commerce website allowing anyone to purchase professional diamond cutting tools at a discount. The site currently features K2 DIAMOND's Performance Line of diamond tools, including concrete cutting blades, diamond core bits, and diamond grinding cups. Tools are available in a specific set of popular sizes, keeping manufacturing costs low and prices competitive. The company also manufactures a custom line of tools. Customers can make purchases from **shop.k2diamond.com**.

—K2 DIAMOND, **www.k2diamond.com**

Book Notes

A Better Way to Build: A History of the Pankow Companies

by Michael R. Adamson

A Better Way to Build is a portrait of Charles Pankow, who pioneered major innovations in concrete construction and is considered a forerunner in developing and refining the design-build method. The book provides a history of the Pankow Company, from Pankow's early career and the formation of his company in 1963 to the present day, as well as a practical study of the civil engineering and construction management decisions that have left their mark on the industry. It takes a look into the development of the design-build methodology, the evolution of Pankow's business practices, and his adaptation and response to the economic and industry trends that transpired over the past decades. Several Pankow projects are analyzed and used as case studies to explain how the company innovated at the project level and how it developed technologies to keep projects on track and under budget.

Purdue University Press, Website: www.thepress.purdue.edu
price: $45; 480 pp.; ISBN: 9781557536341

Products&Service Literature&Videos

Guide for Concrete Overlays of Asphalt Parking Lots

The Ready Mixed Concrete Research & Education Foundation has released a tool to inform designers and contractors of best practices in constructing concrete overlays for existing asphalt parking lots. The "Guide for Concrete Overlays of Asphalt Parking Lots" was prepared by the National Concrete Pavement Technology Center, with review and input from a technical advisory committee comprising experienced concrete overlay designers and contractors. The guide includes information in areas such as assessing the integrity of existing pavements, designing pavement, managing parking lot drainage, and dealing with entry elevations of adjacent buildings. The guide also incorporates elements of ACI 330R-08, "Guide for the Design and Construction of Concrete Parking Lots." This guide is the latest in a variety of tools developed through Foundation support, and is available for download from their website; hard copies are available by request.

—Ready Mixed Concrete Research & Education Foundation, **www.rmc-foundation.org**

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