

Products & Practice

Foundation Armor Concrete Sealers

Foundation Armor has announced a new line of concrete densifiers, sealers, and coatings. Their densifiers include Armor S1000 and Armor S2000, which are sodium silicate densifiers, and Armor L3000, which is a lithium silicate densifier. The company's sealers include Armor SX5000, a silane/siloxane penetrating sealer. Coating products include acrylic sealers such as Armor AR350 and Armor AR500, which are designed for exterior use, and Armor AE Fusion Gloss, which is designed for coating interior surfaces. The company also offers repair kits for cracks and joints. Armor FS90 is a urethane product for crack injection, and Armor JFX35 is a polyurea product for repairs that must maintain a level of flexibility.

—Foundation Armor, www.foundationarmor.com



EasyHeat SnoMelter Cable Kit

EasyHeat® introduced SnoMelter® Cable Kit to remove ice and snow from driveways, sidewalks, patios, and stairs. The dual element, fixed-resistance cables are Underwriters Laboratories listed. When combined with an EasyHeat controller, the cable kits are cost effective and reduce the manual labor of snow removal. They can be customized for installation in concrete or under pavers. Cable selection is determined by the amount of surface area in need of snow removal. Available sizes cover 10 to 100 ft² (0.9 to 9.3 m²) with one cable. Also, cables can be combined to accommodate larger areas.

—EasyHeat, www.easyheat.com

NativeCast's Concrete Container

This holiday, you can give concrete as a gift with NativeCast's DIY planter kits. The eco-concrete container is great for crafters, children, and stocking stuffers and comes in multiple shapes. The kit includes an eco-concrete mixture, a mold, organic potting soil, and herb seeds.

—NativeCast, www.nativecast.com



Gateway Safety TruAir Disposable Respirators

Gateway Safety introduced TruAir® to its respiratory line of products. The TruAir line of respirators offer workers three levels of protection, meeting the National Institute for Occupational Safety and Health (NIOSH) requirements for N95, N99, and P100 class protection. TruAir and TruAir Plus feature a large molded shell to help reduce breathing resistance, an adjustable nose piece, and non-latex elastic straps to ensure a secure fit. All models are available with or without the exhalation vent.

—Gateway Safety, <http://gatewaysafety.com>

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ARDEX MC Ultra Moisture Control System

ARDEX Americas introduced the ARDEX MC™ Ultra Moisture Control System as part of its line of moisture remediation systems. It is a fast-track, two-coat epoxy moisture control system that provides a solution for moisture issues in concrete in demanding flooring installation environments. ARDEX MC Ultra reduces moisture levels from 98% RH to manufacturer-required levels with the ability to install underlayments and toppings in 16 hours.

—Ardex Americas, www.ardexamericas.com



Husqvarna DM 340 115V Drill Motor

Husqvarna introduced a 115V version of its DM 340 drill motor. The new model can supply enough power to drill through reinforced materials for increased production rates. A water-cooled, three-speed gearbox makes it easier to set the desired driving speed for drill bits with diameters from 2 to 16 in. (51 to 406 mm). DM 340 features include the Elgard™ function to protect the motor from overload. Other features include the Softstart™ and Smartstart™ functions, which control the motor speed to reduce wear and vibrations.

—Husqvarna, www.husqvarna.com

Lintec Aggregate Cooling System

Lintec Aggregate Cooling System (ACS) is an aggregate cooling system that uses natural evaporation techniques to cool sand and larger aggregates. Inside the device, a stream of cold air surrounds the warm aggregates, allowing evaporation from the surface of the aggregates to remove heat. While the total water consumption is no more than when implementing ice-cooling methods, using the Lintec ACS reduces operating costs by more than 50%.

—Lintec, www.lintec-gmbh.de



Shea Concrete Products Delivers Precast Docks to Lynn's Seaport Landing Marina

Shea Concrete Products distributed more than 40 precast floating docks and dock fingers to Lynn's Seaport Landing Marina located in Lynn, MA. Altogether, 14 main docks and 28 dock fingers were manufactured. The largest dock measured 9 by 50 ft (2.7 by 15.2 m) and weighed over 50,000 lb (24,947 kg). The docks are filled with expanded polystyrene foam, allowing them to float. The Seaport Landing Marina has been operated by the city for 25 years and can accommodate 65 vessels.

—Shea Concrete Products, www.sheaconcrete.com

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Construction Time Savings with Peri's Maximo and Skydeck

Peri's Maximo and Skydeck systems recently helped to speed up construction at a major apartment complex in Vienna, Austria. Maximo accelerates forming operations with its MX tie and MX wingnut, allowing ties to be installed from one side. Fast forming is achieved with the Skydeck panel slab formwork and its recurring assembly sequence. Easy handling accelerated the forming and stripping procedures.

—Peri, www.peri.com

Web Notes

Simpson Strong-Tie New Free Web and Mobile Apps

Simpson Strong-Tie (SST) added free web and mobile apps and online calculators. Updates and additions include: the Holdown Web App, which specifies the SST connector needed to complete a project based on installation method and includes an example list of holdown options; the Coil Strap Calculator Web App, used to determine the required cut length of a coil strap and provide total number of nails and linear feet of strap needed to complete a project; the Slope and Skew Online Calculator, to perform calculations for each hanger condition in a roof and supply the direction and precise angles for the framing members as well as the connectors; and the Dealer Locator App, which helps find the location of the closest SST dealer based upon user's location. To view all software and apps, visit www.strongtie.com/software.

—Simpson Strong-Tie, www.strongtie.com

Book Notes

Curing Concrete

by Peter C. Taylor

The book was written to explain the benefits of curing concrete and to educate readers on how to select and apply a curing method. The book covers topics such as the fundamentals behind hydration; how curing affects the properties of concrete; curing technologies and techniques; and how to specify, provide, and measure curing.

Available through the online ACI Bookstore; use order code: CC.CI

Products & Service Literature & Videos

ASCC and NRMCA Release Prescription to Performance Paper

The American Society of Concrete Contractors (ASCC) and the National Ready Mixed Concrete Association (NRMCA) have published *Checklist for Concrete Producer—Concrete Contractor Fresh Concrete Performance Expectations*. This document is in keeping with an initiative to facilitate a construction industry change from prescription specifications to performance specifications (P2P). The checklist is intended for use in a pre-contract meeting between the producer and contractor to clearly define the responsibilities of each party for the performance of the fresh concrete. It applies only to the properties of the fresh concrete that address the needs of the contractor and are not typically part of the project specifications. For more information or a copy, email ascc@asconline.org.

—ASCC, www.asconline.org

—NRMCA, www.nrmca.org

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