Product Showcase

Durability-Enhancing Products

Consolideck Concrete Protector

Consolideck® Concrete Protector penetrates the surface of concrete to block oil, water, and other contaminants from finished concrete floors. It improves stain resistance, which makes cleaning faster and helps maintain a floor's original appearance and texture without trapping moisture. The low-odor, water-based treatment can be applied with a low-pressure sprayer, sponge, or roller. Consolideck is ideal for previously protected floors that might reject other treatments and bonds equally well on freshly placed or aged concrete.

—PROSOCO, **www.prosoco.com**

Pozzoslag

VHS Cement released Pozzoslag®, a cementitious material made using coal fly ash as a raw material. It offers industry professionals a more economical alternative to portland cement in the concrete mixture. Customers are able to reduce their chemical additive packages and lower the amount of cementitious binder material. Developed to overcome the early setting time issues that have hindered the use of higher volumes of fly ash and slag cement in applications, Pozzoslag is currently being used in ready mixed concrete, highways, roads, building foundations, and precast concrete products.

—VHS Cement, LLC, **www.pozzoslag.com**

ThermoForm Used in Fire Station Construction

TF Forming System's ThermoForm vertical insulated concrete form (ICF) system was selected for the construction of an addition to the fire station in Mechanicville, NY. The 9000 ft^2 (836 m^2) addition will house all of the vehicles, emergency equipment, administrative offices, and a meeting room for the station. ICF was chosen for the foundation and exterior walls because it is cost-effective and includes the necessary insulation to provide energy efficiency. ThermoForm was the first vertical ICF system offered in the United States, providing design flexibility and a faster method of construction compared to concrete masonry units. Additionally, due to the strength of the reinforced concrete walls produced by ThermoForm, the structure will have the capacity to act as a shelter during natural disasters.

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

Product Showcase

CHEM-WALL Systems

Rock-TRED offers two CHEM-WALL Systems for vertical and overhead application. CHEM-WALL 3601 Mat Lay-Up System is a medium-/heavy-duty vertical-grade fiberglass reinforced polymer system. It is typically installed using four layers of 100% solids epoxy with a fiberglass veil laminated in between. This system will provide greater durability. Typical uses are in food production facilities or other applications that require chemical containment and good thermal shock properties. CHEM-WALL 1100 Coating System is a vertical-grade polymer coating system installed using three sequentially applied layers of 100% solids, two-component epoxy coatings. This wall coating system is designed to seal and protect a variety of vertical and overhead substrates. Typical uses include lower-impact areas that require a sealed, cleanable, and high wearing surface.

—Rock Tred, **www.rocktred.com**

Deckshield Parking Protection Systems

Flowcrete North America now offers the Deckshield parking protection systems. It has a track record of protecting outdoor parking structures in Europe, the Middle East, and Asia. The system is available in polyurethane and rapid-curing methyl methacrylate (MMA) variants. This product is capable of delivering a protective and aesthetic function in modern parking environments. As growth in construction of commercial structures continues, more cars visit airports, retail malls, hotels, office blocks, and public buildings. By using protective coating systems on the internal structure of the parking area, visual appearance can be enhanced, light reflectivity improved, traffic movement regulated, and ongoing structural maintenance kept to a minimum.

—Flowcrete North America Inc., **www.flowcreteamericas.com**

UCRETE DP Topcoat

BASF launched UCRETE® DP Topcoat in the United States and Canada. This cementitious urethane topcoat product completes the UCRETE system portfolio in North America. Functioning as a lock coat for the UCRETE HP broadcast system, UCRETE DP Topcoat ensures consistent technology and performance throughout the entire UCRETE flooring system, creating a uniform, dense, and impervious system for long-lasting durability. Available in other regions, it has provided resistance to organic and inorganic acids, alkalis, salts, and most other commonly used chemicals. It also has low odor during application.

—BASF Corporation, **www.buildingsystems.basf.com**

Spray-Lock Concrete Protection

Spray-Lock Concrete Protection (SCP) manufactures spray-applied concrete treatments that penetrate into concrete capillaries and pores to waterproof and protect the entire capillary structure. SCP technology is based on a catalyzed colloidal silicate, which forms a colloidal silica on application and develops into a colloidal gel, creating an internal barrier to moisture and alkalinity. SCP products can be used on any age structural or architectural concrete. In addition to waterproofing, the treatments provide protection against salt and chemical attack, protect reinforcing steel, minimize shrinkage cracking and slab curling, and strengthen the surface.

—Spray-Lock Concrete Protection, **www.spraylockcp.com**

Product Showcase

PENESEAL W/B

PENESEAL W/B is a water-based, volatile organic compond (VOC)-compliant penetrating concrete sealing compound for exterior concrete surfaces that is ideal for weatherproofing and protecting concrete driveways, walkways, and parking lots. The proprietary blend of silane and siloxane in PENESEAL W/B penetrates into the pores of concrete to help protect it from scaling and damage from freezing and thawing as well as deicing chemicals. The sealer is transparent and nonstaining; reduces entrapment of dirt and other contaminants; and resists staining from oils, fuels, and other common chemicals.

—W. R. Meadows, Inc., **www.wrmeadows.com**

SOLACHROME Integral Coloring Treatment for High-SRI Concrete

SOLACHROME™ is a patented powder concrete admixture that permanently colors concrete. Its composition enables the creation of deep vibrant colors. It will not migrate in water, and may be used to color concrete for fountains, pools, water features, and concrete that will be polished and encounter wet environments. Pigments are fade-resistant and conform to the light-resistance requirements of ASTM C979, Pigments for Integrally Colored Concrete. Specified colors made from SOLACHROME can exceed the LEED building material Solar Reflectance Index (SRI) requirement of 29 or greater. This can allow colored concrete to contribute to earning LEED credits.

—SCOFIELD SYSTEMS, **www.scofield.com**

Aridus Rapid Drying Concrete

Aridus® Rapid Drying Concrete, developed by U.S. Concrete's National Research Laboratory, USC Technologies, Inc., is a proprietary concrete mixture that reduces the drying time and risks associated with excess moisture vapor in concrete slabs, enabling faster and more effective floor topping installations. Aridus helps concrete slabs to meet flooring industry warranty standards for water vapor emissions and pH, thereby minimizing risks of mold, mildew, and flooring damage. It is recommended for use in schools, hospitals, data centers, retail, offices, and building additions; very wet and very dry climates; slabs constructed close to the water table; and projects that need an extra margin of safety.

—U.S. Concrete, **www.us-concrete.com**

Mapeshield I

Mapeshield I is a pure zinc anode developed for cathodic protection of reinforcing steel in both new and existing structures. Made with a zinc core, Mapeshield I is covered with a special conductive paste that, once connected to reinforcing steel, protects the metal and prevents corrosion for up to 20 years. It is most effective in aggressive environments, such as chloride-contaminated and carbonated concrete.

—MAPEI, **www.mapei.com**

Upcoming Deadlines for the Product Showcase

January—Admixtures; space deadline 11/12/13

February—Anchorage Systems; space deadline 12/10/13

March—Decorative Concrete Products; space deadline 1/14/14

For advertising reservations, contact Annie Mullen, Network Media Partners, concrete@networkmediapartnets.com

To make an editorial submission, contact Lacey Stachel, CI Editorial Assistant, Lacey.Stachel@concrete.org.