

Product Showcase

Technologies for Enhancing Durability

Aquaflex2 PSA

Formulators|Aquaflux introduced Aquaflex2 PSA, a pressure-sensitive, single-component adhesive, to its line of dampproof technologies. Aquaflex2 PSA is non-flammable, non-hazardous, zero-VOC, and odorless. To install the adhesive, trowel over prepared concrete and allow 30 minutes of flash for tack development. Flooring can be installed up to 2 hours after the adhesive is applied. Tiles are positioned and pressed to activate the bond. The floor is then rolled to complete the installation. After 4 hours, transitional reactions take place that result in a dampproof bond.

—Formulators|Aquaflux, www.formulators.com



RevealPRO

The Seek Thermal™ RevealPRO provides an adjustable thermal level and span, full-frame thermography, and 76,800 temperature pixels on a 320 x 240 infrared sensor. The RevealPRO offers high-resolution thermal imaging, software capabilities, and a 300-lumen LED light. The handheld thermal imaging camera delivers high-performance thermal resolution and is portable in size with easily accessible buttons to allow use with gloved hands. It features temperature measurement accuracy of $\pm 5^{\circ}\text{C}$ ($\pm 9^{\circ}\text{F}$) or 5% (at 25°C [77°F] nominal, whichever is greater). Thermal temperature measurements range between -40 to 330°C (-40 to 626°F). Variable temperature reporting is available in Fahrenheit, Celsius, and Kelvin.

—Seek Thermal, www.thermal.com

AQUA-X Penetrating Sealers

Black Diamond Coatings, Inc.'s AQUA-X™ sealer products meet the need for professional-grade, natural appearance water repellents for concrete, pavers, stone, and wood. These sealers are low-VOC; have fast beading action, fast dry time, and excellent coverage rates; and are resistant to breakdown from harmful UV exposure. Four products are included within AQUA-X: AQUA-XTM 11 is designed for many hardscape surfaces as a natural appearance sealer, and it is useful on new concrete; AQUA-X 22 is designed for concrete and related products, with additional stain-resistant properties; AQUA-X 33 is designed for stone and clay surfaces; and AQUA-X 44 is designed for wood surfaces.

—Black Diamond Coatings, www.blackdiamondcoatings.com

Adcor SAS 500S Hydrophilic Waterstops

GCP Applied Technologies' introduced Adcor® SAS 500S hydrophilic waterstops. The "SAS" stands for "Self-Adhered Strip." The adhesive formulation and malleable composition of the waterstop provide a continuous bond to the concrete substrate. Self-adhesive installation lowers the risk of damaging the waterstop during installation. Adcor SAS 500S bonds to concrete, metal, or PVC substrates. To apply, peel the release paper and press the strip on a clean, dry surface.

—GCP Applied Technologies, <https://gcpat.com>



Solidia Technologies Joins USDOT Effort to Develop Sustainable Alternative Cementitious Materials for Infrastructure

Solidia Concrete™ is produced with a low-lime calcium silicate cement (CSC) that emits 30% less CO₂ during the production process compared to ordinary portland cement (OPC). CSC can also consume up to 300 kg of CO₂ per tonne (136 lb per 1.1 ton) of cement during the curing process of the concrete, resulting in up to a 70%

reduction in CO₂ emissions. The U.S. Department of Transportation's Federal Highway Administration has entered into a multi-year cooperative agreement with the company to examine Solidia Concrete in transportation infrastructure applications. This joint program includes independent testing of Solidia Concrete at the Turner-Fairbank Highway Research Center.

—Solidia Technologies, <http://solidiatech.com>

Sentinel GL

Euclid Chemical's Sentinel™ GL cathodic protection anodes are designed to mitigate the corrosion of reinforcing steel in concrete and extend the service life of concrete repairs. The Sentinel GL anodes allow for a broader selection of repair materials, and minimize the amount of concrete removal required prior to installation. Sentinel anodes have a unique notched design that fits securely against any size reinforcing bar, making connection simple and fast. When directly joined to embedded reinforcing bars, galvanic current flows spontaneously so an external power supply, DC wiring, or conduit is not needed. This results in reduced installation, monitoring, and maintenance costs. Sentinel GL anodes are engineered to provide protective current for 10 to 20 years.

—Euclid Chemical, www.euclidchemical.com



Rhino Linings Sustainable Cool Roof System

Rhino Linings Corporation released a complete cool roof system engineered to improve building energy efficiency while extending the service life of new and existing roofs. The DuraTite spray polyurethane foam (SPF) roofing system holds a UL 790 Class A fire rating and is designed to provide a lightweight insulation system over various roof constructions and configurations. The roofing system provides a high R-value for thermal insulation, covers complex geometrical shapes and protrusions, and applies directly to existing substrates. An SPF roofing system is seamless and requires little-to-no maintenance. The complete system combines

spray foam with a full range of acrylic, silicone, urethane, and polyurea coatings for a total roofing system that insulates, seals, and protects. Roofing topcoats may be reapplied numerous times, increasing the life of the roof.

—Rhino Linings Corporation, www.rhino linings.com

FLIR C2

The FLIR C2 pocket-sized thermal camera is designed to find hidden heat patterns that signal energy waste, structural defects, and plumbing issues. The C2's features include MSX® real-time image enhancement, high sensitivity, a wide field of view, and fully radiometric imagery to show where problems are and verify the completion of repairs. Its light, slim profile fits in work- and street-wear pockets. The users can use the camera's LED spotlight as a flashlight and for photo illumination. C2's wide-angle lens is optimized for building applications. Fully radiometric images enable users to measure temperature at any point on the image between -10 and 150°C (14 and 302°F).

—Flir, www.flir-direct.com