Versa Brix S Antique Classic Form Liner

A distressed brick façade was a critical design element for AvidXchange's new corporate headquarters in Charlotte, NC. The software firm's office complex was designed by LS3P Associates Ltd. to reflect the historical buildings in the surrounding area. The architect worked with Metromont Corporation and Architectural Polymers to create the precast panel design, featuring General Shale thin brick to achieve the look of classic brick warehouses. The Versa Brix® S Antique Classic form liner system provided a proper seated fit for the unique, everchanging faces of the project's tumbled brick. Produced using technology developed by Röben Tonbaustoffe, the rough, tumbled faces of the bricks had consistent perimeter dimensions, so the precaster could securely position each brick in the form before placing concrete.

—Architectural Polymers, **www.apformliner.com**

HoloBuilder

HoloBuilder Inc. released a product update featuring capabilities for real-time collaboration and offline handover for project close-out. HoloBuilder now provides a web-based, scalable software as a service (SAS) solution that can be deployed company-wide, across projects, or at an enterprise level. The update brings together HoloBuilder's software and apps as a collaborative enterprise package: JobWalk, a mobile app for 360-degree image capture; TimeTravel, for progress documentation; an annotation tool, for sharing findings and updates where others can find them; and a measurement tool, for taking measurements within the 360-degree images. Project managers can decide who has access and editor rights. Notifications are shown when team members update the project, and they allow everyone to see who is working within HoloBuilder. During project close-out, the project can be downloaded and saved as a view-only deliverable for the owner.

—HoloBuilder Inc., **www.holobuilder.com**

Mortar Net Solutions 6 in. BlockFlash

Mortar Net Solutions™ 6 in. (152 mm) size BlockFlash™ is a complete, embeddable flashing solution for managing moisture in exterior, single-wythe concrete masonry unit (CMU) walls. It uses patented flashing pans to collect moisture in the wall and channel it to the exterior through integrated weep spouts. The spouts are gray in color to blend in with standard mortar. Drainage mesh placed in every block cell in the course immediately above the pans provides hundreds of clear pathways for water to flow around mortar droppings inside the cells, so it can be collected by the pans. Mortar Net's BlockFlash cuts installation time associated with using membrane flashing in a multi-wythe course by about 50% and eliminates the need for multiple architectural CMU sizes.

—Mortar Net Solutions, **http://mortarnet.com**

RectorSeal Blaze Foam

RectorSeal's® Blaze Foam™ is a compressible, fast installation intumescent foam strip for firestopping dynamic and static head-of-wall, bottom-of-wall, and wall-to-wall joints. Blaze Foam is a charcoal-colored, 48 x 5/8 x 1.5 in. (1219 x 16 x 38 mm) polyurethane foam strip designed for hand compressing into construction joints on both sides of the wall up to 1 in. (25 mm) wide. The compressible firestop increases project productivity, decreases jobsite waste, and reduces firestopping labor installation time. Blaze Foam was tested in accordance with UL 2079 and ASTM E1966, and is compliant with the International Building Code and the National Fire Protection Association. The compressible firestop is classified as a fill, void, or cavity material and carries an F rating up to 2 hours. The assembly has 50% movement capabilities, and was cycled 500 times in a range of 1/4 in. (6 mm) to 1 in. in tests.

—RectorSeal, **www.rectorseal.com**

Aqua Cutter 710V Hydrodemolition Robot

Aquajet Systems AB's Aqua Cutter 710V hydrodemolition robot is designed for a wide variety of concrete removal tasks, such as renovation and bridge and road repair. The 710V comes equipped with Aquajet's ceramic nozzles. The cutter weighs 5070 lb (2300 kg) and uses 14,500 to 40,000 psi (100 to 276 MPa) water jets to remove concrete at rates up to 35 ft^3/h (1 m^3/h). Users adjust the robot's stroke to control the depth of cuts and vary the pressure of the water jet depending on whether they are removing loose, deteriorated concrete or lowering sound concrete to a predetermined depth. The 710V can be controlled from a safe distance using the unit's remote control, either wirelessly or via a hard wire. Aquajet's three-dimensional positioning system allows it to operate on all horizontal, vertical, and overhead areas. This includes straight up and down work, such as needed for renovating walls, shafts, and furnaces. The 710V also easily removes concrete in corners.

—Aquajet Systems AB, **www.aquajet.se**

Summit Supply Rubber Track Tread Pattern for Construction Equipment

Summit Supply, LLC's Zig-Zag pattern offers enhanced traction for construction equipment, reducing slippage both forward and backward, while minimizing machine vibration and turf scarring. Deep, angled edge recesses provide excellent traction in snow, mud, and clay. The "inter-void" lug structure provides self-clearing of site debris, thus maximizing overall track and undercarriage service life. The proprietary pattern of surface voids combines the benefits of traditional straight-bar and multi-bar rubber tracks.

—Summit Supply, LLC, **www.summitrubbertracks.com**

ChemMasters Thin Patching Mortar

ChemMasters® Thin Patch is a versatile, single-component cementitious repair mortar for thin repairs to concrete substrates. The mortar is designed for durable repairs on horizontal, vertical, and overhead surfaces. Installed thicknesses can range from feather edge to 1 in. (25 mm), in either interior or exterior applications. Thin Patch is polymer modified for enhanced durability and adhesion, with integral air entrainment for protection from damage caused by freezing-and-thawing cycles and deicing chemicals. It can be used to create a smooth, broom, float, or trowel finish on foundations, walls, sidewalks, driveways, steps, or floors.

—ChemMasters, Inc., **www.chemmasters.net**

Drago Wrap Vapor Intrusion Barrier

Drago® Wrap Vapor Intrusion Barrier is a multi-layered plastic extrusion combining uniquely designed materials with high-grade, prime, virgin resins. This patent-pending technology is engineered to serve as a barrier to hydrocarbons and chlorinated solvents. It provides a high-performing solution to transform brownfield sites into healthy built environments. Drago's accessory products include: Drago® Tape, a pressure-sensitive adhesive that is coupled with the same materials as Drago Wrap for sealing Drago Wrap seams and penetrations; Dragotack™ Tape, a solvent-resistant, double-sided adhesive strip used to bond and seal Drago Wrap to concrete, masonry, wood, metal, and other surfaces; Drago® Sealant, a two-part, water-based urethane designed to be used with Drago Wrap, for sealing utility and pipe penetrations; and Drago® Sealant Form, a low-density, cross-linked, closed-cell polyethylene foam designed to be used as a detailing piece with Drago Sealant.

—Stego Industries, LLC, **www.stegoindustries.com**

Web Notes

Mortenson Augmented Reality App for Construction Visualization

Mortenson Construction developed an augmented reality (AR) mobile app to help the University of Washington community "see" the future CSE2 computer science building (open to students in January of 2019). Users can point their smartphones at the construction site or at a printed handout to experience a lifelike digital representation of the future CSE2 building. They can experience the building's exterior in AR, and they can also teleport inside for an immersive virtual reality (VR) experience in the main lobby, workroom, robotics lab, and offices. A preliminary version of the "Mortenson AR/VR" app is available for download on iPhone and Android devices.

—Mortenson, **www.mortenson.com**

Book Notes

Eco-Efficient Concrete

Eco-Efficient Concrete is a comprehensive guide to the characteristics and environmental performance of key concrete types. Part one discusses the eco-efficiency and life cycle assessment of portland cement concrete, and part two discusses concrete with supplementary cementitious materials. Concrete with non-reactive wastes is the focus of part three, including municipal solid waste incinerator concrete and concrete with polymeric, construction, and demolition wastes. An eco-efficient approach to concrete carbonation is also reviewed, followed by an investigation in part four of future alternative binders and the use of nano and biotech in concrete production.

—Research and Markets, **www.researchandmarkets.com**

Price: $272; 624 pp.

Products&Service Literature&Videos

Reinforcing Bars: Anchorages and Splices, Sixth Edition

The Concrete Reinforcing Steel Institute (CRSI) released an updated version of *Reinforcing Bars: Anchorages and Splices*. This publication provides information on development and splicing of reinforcing bars. Now in its sixth edition, the book features data on mechanical splices, including load tests for Type 1 and Type 2 splices, Grades 40 to 80. Also included are tables of development and lap splice lengths for Grade 60 uncoated and epoxy-coated reinforcing bars with 3000 to 10,000 psi (21 to 69 MPa) concrete compressive strengths. Additional aids include development and lap splice length tables for welded wire reinforcement, data on headed bars, and supporting formulas for all development and lap splice tables.

—CRSI, **www.crsi.org**

Price: $69.95; 80 pp.