

Cortec MCI-309

Cortec's MCI-309 is a vapor phase corrosion inhibitor powder for corrosion protection of ferrous metals. MCI-309 provides an extremely efficient dry method to protect metals within an enclosed space. The powder vaporizes and adsorbs on the metal surfaces, reaching all exposed areas, including recessed sections. It is a mixed inhibitor that provides protection to both the cathodic and anodic sites of metal.

—Cortec Corporation, www.cortecmci.com



Aquajet Systems AB Rotolance Attachments

Aquajet Systems AB Rotolance attachments work in conjunction with Aquajet's Aqua Cutter 710 hydrodemolition robots or the company's Aqua Spine or Aqua Frame systems to deliver water pressures in excess of 36,000 psi (248 MPa) through a specially designed pattern of nozzles. The system cleans, removes, and roughens concrete surfaces, leaving a better bonding surface for new concrete or alternative materials. The Rotolance can be used to remove rubber coatings, paint, rust, plastic, and other various materials. The tool serves as a light-removal alternative to Aqua Cutter robots meant to remove deeper sections of concrete. Aquajet offers two models—the Rotolance 1000 and Rotolance 2500—both able to cover a surface diameter as wide as 14 in. (360 mm).

—Aquajet Systems AB, www.aquajet.se



Bricking Solutions Safety Inspection Cages and Personal Protection Tunnels

Bricking Solutions offers Safety Inspection Cages and Personal Protection Tunnels for heightened worker safety inside kilns. Cages and tunnels provide sheltered areas for inspection and repair operations, keeping workers safe from falling debris. Made of T6-6061 aircraft aluminum, the cages are lightweight, weighing 140 lb (64 kg). The low weight and convenient flip-up handles make it easy for two workers to carry the cage. Bolt and pin connectors help with quick assembly and disassembly of the cages in as little as 20 minutes. A spring system absorbs impacts to help maintain stability. Leg spikes also dig into the refractory for increased stability. Workers are protected from debris by a heavy-duty polypropylene knotless mesh or a stainless-steel mesh netting secured around the outside of the cage. The



Personal Protection Tunnels provide workers with safe passage in and out of a kiln. Tunnels are designed to withstand impacts of up to 250 lb (1.1 kN) and can handle drops from up to 18 in. (455 mm). Tunnels are custom built to specific kiln requirements to ensure proper passage of personnel and tools.

—Bricking Solutions, www.brickingsolutions.com

Products & Practice

Centurion Hard Hats

The Spectrum hard hat has integrated eyeglasses that allow workers to use their own prescription eyewear. The eyeglasses provide superior protection, achieving Grade B Medium Energy impact protection per EN 166. The VISION™ Plus hard hat features an integrated retractable visor that provides full side-shielding and will not interfere with eyeglasses. The VISION Plus also includes optional ear guards. The Nexus Height Master hard hat has a four-point chinstrap for worker comfort and helmet stability. It also features an optional molded eye shield with anti-scratch/anti-mist coating and easy pull-down tabs. The Optimized “micro” peak feature of the Nexus Height Master provides maximum upward visibility without compromising safety.

—Airmatic Inc., www.airmatic.com

Wirtgen WR 250

The Wirtgen WR 250 has a powerful rotor for mixing prespread cement into an existing, insufficiently stable soil at working depths of up to 560 mm (22 in.). The resulting soil cement is a high-quality construction material with high tensile, compressive, and shear strength values; water resistance; frost resistance; and volume stability. Typical applications include pavement, foundation, and embankment projects. In-place production reduces truck hauls, saves time and resources, and reduces CO₂ emissions.

—Wirtgen Group, www.wirtgen-group.com



Laser Technology TruPulse 360 Laser

Laser Technology has integrated its TruVector 360 Compass Technology with the TruPulse 360 laser rangefinder. With compass technology and full measurement capabilities, the TruPulse 360 can measure slope distance, inclination, and azimuth; and it can instantly calculate horizontal and vertical distances as well as three-dimensional missing line values. The enhanced device offers 33% increased distance accuracy, 25% better target acquisition, and a higher azimuth accuracy of 0.5 degrees RMS.

TruPulse 360 features reflectorless technology that enables data capture to any surface type; advanced targeting modes to achieve accurate, repeatable results of the intended target; seven-power superior optics technology that displays all measured and calculated solutions; and smart technology that recognizes adverse measurement conditions and prompts recalibration.

—Laser Technology Inc., www.lasertech.com

ViewpointOne

Viewpoint, a Trimble Company, launched ViewpointOne™—a cloud-based construction management system for contractors of all sizes. ViewpointOne provides construction companies with Viewpoint’s integrated software suite to connect office workers with project teams and field operations. Hosted in the cloud, ViewpointOne combines Viewpoint’s construction enterprise resource planning offerings with its Team and Field products, providing users a flexible system for managing operations, improving productivity, and enabling better decision making. ViewpointOne allows contractors to build their own software bundles based on specific needs for individual end users. As part of the ViewpointOne suite, Viewpoint is also introducing three fully integrated cloud products from the recent acquisition of Keystyle Data Solutions for Vista customers: Keystyle HR Management, Keystyle Financial Controls, and Keystyle Field Management.

—Viewpoint, a Trimble Company, <https://viewpoint.com>

BinMaster Stockpile Reports

BinMaster Stockpile Reports automates pile measurement using pictures from a cell phone, drone, plane, or fixed camera. Data are accessed and shared on a web portal—completely digitizing material management. Dashboards populated with photographs and site statistics report vital information on the volume, tonnage, and condition risks for each pile of a material. The software as a service (SaaS) subscription allows users to track pile inventory on a monthly, weekly, or daily basis. It requires no special hardware and is scalable from five to more than 500 piles for one site or an entire corporation.

—BinMaster, www.binmaster.com

Web Notes

Power Tool Institute Online Training Promotes Safe Use of Power Tools

The Power Tool Institute launched its online training module, “Power Tool Safety – It’s in Your Hands,” designed to help users better understand the safe way to use power tools. The training module is broken into sections featuring lessons on safe use, handling, storage, and transportation of conventional and cordless power tools. The sections include guidelines for inspection, care, and preparations. The training module concludes with a quiz to test users’ retention of the lessons.

—Power Tool Institute, <http://powertoolinstitute.com>

Book Notes

ICDCS 2018

Sixth International Conference on Durability of Concrete Structures

The International Conference on the Durability of Concrete Structures (ICDCS) series brings together leading experts in the field of concrete durability. The aim is to present and discuss recent progress and latest developments in materials technology, assessment of performance in laboratories and on site, service life concepts, and reuse and recycling of construction materials and products to enable concrete construction to be durable and sustainable. The conference at the University of Leeds was the sixth in the ICDCS series. The publication comprises over 110 papers covering seven key themes, preceded by plenary and keynote contributions.

—Whittles Publishing, www.whittlespublishing.com

944 pp.; ISBN: 978-184995-394-8

Products & Service Literature & Videos

Real Life: Construction Management Guide from A-Z

By Jamil Soucar

Real Life: Construction Management Guide from A-Z guides new and seasoned construction managers from the beginning to the end of every project. With years of experience in the construction industry, the author provides guidance through every phase of a project. This guidance and explanations of principles and theoretical concepts are written in a practical, conversational style. Hardcover copies are sold through Amazon at www.amazon.com/Real-Life-Construction-Management-Z/dp/1480941395/.

