

CRB

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VISION 2020 UPDATE

2020 ICRI PRESIDENT
MARK D. LEMAY



ICRI
CONCRETE REPAIR
Restore | Repurpose | Renew

PRODUCT INNOVATION

THREE MORE PROSOCO COATINGS ARE QUALIFIED FOR LEED V4

Three PROSOCO products—Interior Masonry Dustproofer, Siloxane WB Concentrate, and BMC II—now contribute to LEED v4 low-emitting materials credits after independent testing by Berkeley Analytical.

This development is PROSOCO's response to demand within the LEED commercial and interior design community, according to Dwayne Fuhlhage, Sustainability Director for PROSOCO.

Designers have been asking for LEED v4-ready products that protect and maintain CMU and precast concrete, and refinish interior, exposed brick and concrete—a popular trend in retrofits.

Design professionals are looking for products that help them achieve the IEQ Low Emitting Materials credit. Siloxane WB Concentrate solves a problem by protecting interior parking decks from water and salt. Existing building retrofits created demand for a product like Interior Masonry Dustproofer to stabilize chalky, exposed brick interiors.

Likewise, BMC II has been a specified solution for decades on projects needing tough protection from a coating, such as the U.S. Capitol and countless other buildings with exposed CMU, masonry and concrete.

The qualification of BMC II products for LEED v4 low-emitting materials credits is another example of PROSOCO's ability to purposefully and nimbly direct research and product development resources to timely demands in the industry.

Through independent testing with Berkeley Analytical, these products conform with the California Department of Public Health (CDPH) Standard Method V1.2. They also qualify for project teams using WELL, Collaborative for High Performance Schools (CHPS), and green building codes such as CALGreen, ASHRAE Standard 189.1, and the International Green Construction Code (IgCC).

With these additional products becoming certified, PROSOCO now offers 21 LEED v4-ready products with the SCS Indoor Advantage Gold certification.

UNLEASH THE CORROSION INHIBITING POWER OF MCI WATER REPELLENTS

A common best practice to make new or existing concrete structures last longer is to periodically apply a concrete sealer that protects against the intrusion of chlorides, carbonation, and rain.

An even more powerful option—with no extra labor required—is to apply a Cortec MCI concrete sealer enhanced with Migrating Corrosion Inhibitors. These water repellents contain MCI molecules that penetrate the concrete pore structure and form a corrosion inhibiting molecular layer on embedded metal reinforcement. This dual (and sometimes triple) protection



PAINTING CONCRETE? SSPC HAS YOU COVERED!

Concrete Coating Application Specialist (CCAS)
SSPC's new Concrete Coating Application Specialist course is designed to teach coating applicators the skills they will need to successfully complete a concrete coating project and how to maintain vital infrastructure.
Check www.sspc.org for more information.

Want to host this course?
Contact: Sara Badami
badami@sspc.org 412-281-2331 ext. 2208

Concrete Coating Inspector (CCI)
Concrete is one of the most widely used man-made products in the world, and often coatings are used to protect it. Inspectors have a crucial job on concrete projects to make sure surface preparation and coating application meet the unique needs of these surfaces. SSPC's CCI provides the foundation for quality concrete inspection work.
Check www.sspc.org for more information.

View SSPC's Concrete Specific Products
SSPC looks to provide the concrete coatings industry with up-to-date standards and information.
Check www.sspc.org for prices and more information on our concrete specific products.

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PRODUCT INNOVATION

is convenient to achieve by applying just one product.

Read our recent press release to learn about different MCI water repellent technologies for various project and budget needs: https://www.cortecvci.com/whats_new/announcements/MCI-Water-Repellants-PR-2019-11.pdf

A DEEP-REACHING SOLUTION FOR REBAR CORROSION FROM MCI CORTEC

Corrosion of embedded rebar is an ongoing challenge for concrete structures. Fortunately, MCI-2020 Gel delivers a robust dose of Migrating Corrosion Inhibitor Technology directly to the depth of reinforcement when proper surface prep cannot be achieved.

Once inside the concrete, the inhibitor can move laterally through the concrete, depositing a protective MCI molecular layer on embedded reinforcement to act as a barrier to corrosive elements.

Unlike some of its competitors, MCI-2020 Gel does not contain secondary amines or nitrites, which together can form carcinogenic nitrosamines.

Read our recent press release to find out if MCI-2020 Gel is right for your project and to hear past success stories! https://www.cortecvci.com/whats_new/announcements/MCI2020_Gel%20_PR.pdf.

ALTERNATIVE TO SANDBLASTING RUST FROM CORTEC

Abrasive grinding and sandblasting are common ways to restore rusty metal surfaces and prepare them for painting.

A much easier and very effective alternative is to coat the rust with CorrVerter, a water-based rust passivating primer from Cortec Corporation.

CorrVerter can be used in countless applications and is especially helpful when dealing with rust in areas where it is difficult to achieve good surface prep.

Read our recent press release to see specific examples of how CorrVerter has been used to deal with real-life rust problems:

https://www.cortecvci.com/whats_new/announcements/CorrVerter-PR-2019-12.pdf.

ELASTOCHEM LAUNCHES CANADA'S FIRST POLYURETHANE, TWO-COMPONENT, SPRAY-APPLIED WATERPROOFING MEMBRANE FOR BELOW-GRADE FOUNDATIONS

Ontario-based Elastochem receives CCMC certification for Hygrothane, a spray-applied waterproofing membrane for below-grade concrete foundation walls

Elastochem Specialty Chemicals Inc., a leading Canadian manufacturer of spray polyurethane materials, announced on Thursday the certification of Hygrothane, Canada's first spray-applied, two-component, polyurethane-based waterproofing membrane. Hygrothane is a complete, polyurea-based membrane system that is applied at high pressure. When cured, it forms a seamless, monolithic waterproofing membrane on below-grade concrete foundation walls. The durable and flexible formula is made with 100% solids, can be applied at below-freezing temperatures and contains no VOCs.

Foundation waterproofing can be an extremely time-consuming and challenging procedure. Traditional systems, such as peel and stick and sheet membranes pose the risk of inconsistent seams that may lead to subsequent water build-up. Other drawbacks include the need for additional coatings that require further application and curing time. Meanwhile, other liquid-applied formulas are primarily water-based, which means that they face limitations at below-freezing weather conditions.

Hygrothane solves these problems by offering a smooth, one-step application that eliminates the use of primers, long curing times, and delays. It performs in below-freezing temperatures, which makes it ideal for all-season construction and challenging northern locations. The spray-applied liquid cures to form a solid membrane, eliminating seams or joints, which addresses the most common areas where waterproofing tends to fail. The buildable formula can be applied on irregular surfaces and is ideal for applica-

tions where complete coverage with a sheet membrane is unlikely. Foundations sprayed with Hygrothane can be backfilled in under one hour post-application.

DYNAMIC TACTILE COMPOSITE DUO: DETECTABLE WARNING SYSTEMS' ADA COMPLIANT AlertCast® & AlertTile® TACTILE WARNING PRODUCTS DELIVER A MYRIAD OF CONSTRUCTION AND SAFETY SOLUTIONS VIA ADVANCED COMPOSITES.

Now a part of the proprietary product family of Mar-Bal, Inc. (Mar-Bal: Chagrin Falls, OH), Detectable Warning Systems™ (DWS) is progressively launching their AlertCast® and AlertTile® detectable warning products. The innovative ADA compliant products are engineered for visually impaired or handicapped pedestrians—offering advanced rigid composite material solutions with 'tactile cues' for either cast-in-place or surface applied construction and safety applications.

Known as 'The One-Source Solutions Provider', privately held Mar-Bal has three state-of-the-art U.S. manufacturing plants in Ohio, Virginia, and Missouri—producing everything entirely turn-key. The economical DWS products also feature ease-of-installation, consistent delivery, and unparalleled customer service.

Contractors, distributors, states, and municipalities all benefit from each product's advanced engineering and commitment to innovation, as well as the benefits of composites for multiple markets including: Health Care- Disability, Rail-Transport, Architecture, Infrastructure, Universities/Education, etc.

AlertCast® Profile: Considered "The industry's best replaceable detectable warning", it is a premium glass-reinforced thermoset, cast-in-place, rigid composite engineered for superior impact resistance, slip resistance, wear resistance and long-term durability. Its exclusive lightweight design incorporates a panel of superior slip-resistant truncated domes designed to comply with ADA standards. Should the need arise, the tiles are also replaceable.

Notably, it features the patented PENE-TRATOR® anchoring system—a simple