

Special Products & Practice Showcase

Protective Coatings & Treatments

PROSOCO, INC.

Consolideck® LS/CS™ hardener/densifier penetrates and reacts with new or old concrete to create tough, durable dustproof floors. It penetrates the top 1/16 to 1/8 in. (1.6 to 3.2 mm) of the floor and reacts with soft calcium hydroxide to create hard calcium silicate hydrate. It penetrates without scrubbing and doesn't need to be flushed after application, which means there's no harmful wastewater run-off. It can be applied with a microfiber pad or low-pressure spray, and in less than an hour, floors are ready for traffic, polishing, or other treatments. Treated floors are up to twice as abrasion-resistant as untreated concrete, and less susceptible to water, salt, and chemical-spill damage. It can be applied right after saw cutting, and treated surfaces can be colored and polished.

—PROSOCO, Inc.

CIRCLE 59



VECTOR CORROSION TECHNOLOGIES

Galvanode DAS is a versatile distributed-anode system that consists of alkali-activated high-purity zinc anodes that are used to provide low-maintenance corrosion control to extend the life of reinforced concrete structures. It can be used to provide localized protection at the interface between new concrete and existing chloride-contaminated concrete in joint repairs, slab replacements, or bridge widening projects. The anodes can also be distributed across the concrete to create a galvanic encasement that protects and strengthens structural elements such as piles, columns, walls, and abutments. Additional reinforcing is provided by placing reinforcing bar or noncorrosive fiberglass reinforcing over the anodes, then the concrete is placed such that the repairs and jacket or overlay are completed in a single step. The anodes come in a ribbon or strip form in a range of sizes and weights. The selection of the anode size and spacing depends on the surface area of steel to be protected, exposure conditions, and desired service life.

—Vector Corrosion Technologies

CIRCLE 60



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W.R. MEADOWS, INC.

Liqui-Hard Ultra concrete densifier and chemical hardener is a colorless liquid that hardens and dustproofs concrete at a molecular level. As it's applied and penetrates into the surface, a chemical reaction takes place, producing a byproduct that fills in the pores of the concrete one molecule at a time. The product is simply sprayed on, and then left moist on the surface for 20 minutes. It doesn't require brushing into the surface or rinsing. After application, the resulting surface features enhanced protection and sheen. This water-based product features a zero-VOC content and can be used with Bellatrix and Induroshine® for an environmentally friendly polished concrete system.

—W.R. Meadows, Inc.
CIRCLE 61



SIKA CORP.

SikaMix AE-3 is a unique high-performance efflorescence-reducing and water-repelling admixture for dry-cast concrete products. This innovative product provides superior performance in terms of water repellency and reduction of primary and secondary efflorescence. It also offers increased productivity and improved durability, life expectancy, and color vibrancy. It's ideal for use in dry-cast concrete products such as concrete masonry units, pavers, segmental retaining walls, and decorative items for garden and landscape design.

—Sika Corp.
CIRCLE 62

MAPEI

Mapelastic provides industrial-grade waterproofing and concrete protection. It's used to prevent costly repair and rehabilitation of concrete structures caused by aggressive atmospheric elements. This two-component, flexible cementitious membrane protects concrete from seawater, salts, and sulfates. Spray- or trowel-applied, Mapelastic is designed to waterproof and protect bridges, dams, balconies, terraces, and pools. The white version offers tintable options for applications requiring pigment, while the silver version mimics natural, gray concrete and blends well with existing concrete structures. Providing excellent bonding properties to all concrete and masonry surfaces, it's a cost-saving solution for a host of industrial and commercial concrete needs.

—MAPEI
CIRCLE 63



THE EUCLID CHEMICAL CO.

The popularity of decorative concrete has given designers many new options for interior commercial flooring. But decorative effects are only half of the system—protecting the artistic floor is the other. EUACOXY TUFCOAT VOX is a two-component, water-based, low-odor epoxy coating. It serves as an abrasion-resistant membrane that withstands wear and chemical attack in a variety of situations. It's available in numerous colors and a clear formulation for protecting stained floors. EUACO TAMOSHIELD is a nonyellowing, two-component, water-based, aliphatic polyurethane sealer. It comes in a glossy or matte finish and provides the perfect finish coat over interior decorative concrete floors.

—The Euclid Chemical Co.
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Special Products & Practice Showcase

SHERWIN-WILLIAMS

Anti-Graffiti Clear Coat is a single-component, low-VOC, nonsacrificial elastomeric siloxane coating for new or previously coated concrete surfaces. It requires no mixing and adheres directly to the concrete, eliminating the need for a primer. It can be applied by brush, roller, or airless spray and can be dry to the touch in as little as 30 minutes, depending on temperature, humidity, and film thickness. Requiring only a solvent wipe cleaning or a 3000 psi (21 MPa) pressure washer to remove graffiti, the new coating is intended to protect bridges, overpasses, concrete fences, commercial buildings, schools, and transit stations. After 4000 hours of accelerated weather testing and multiple graffiti applications and removals, it left no signs of graffiti or staining after clean-up and no signs of streaking, cracking, pinholing, discoloration, or other degradation to the coating surface upon casual examination.



—*Sherwin-Williams*
CIRCLE 65



VEXCON CHEMICALS

Vexcon Chemicals' complete line of breathable epoxy and urethane coatings deliver excellent finished floor surfaces for any application. These durable, functional, and decorative coatings provide optimum chemical and wear resistance, low maintenance and cleaning requirements, and attractive cost-effective solutions. The coatings' breathable technology allows moisture vapor to pass through the coating rather than becoming trapped, preventing blistering and peeling. They're nonslip and available in both water- and solvent-based versions, addressing environmental and installation concerns while maintaining exceptional performance and value for any new or existing concrete surface. The easy-to-install coatings can be used on interior or exterior projects and come in a wide variety of colors and finish options. Vexcon products comply with federal and state VOC regulations as well as numerous industry standards and specifications.

—*Vexcon Chemicals*
CIRCLE 66

CORTEC CORP.

MCI®-2018 Sealer is a 100% silane-based sealer that deeply penetrates into concrete and repels water by chemically reacting with the cementitious substrate. It seals surface pores, preventing chloride intrusion and reducing carbonation. Treated surfaces are fully breathable and their natural moisture-vapor transmission is not affected. It improves durability and increases abrasion resistance. The migrating corrosion inhibitors penetrate into the concrete, forming a protective monomolecular corrosion-inhibiting layer on the reinforcing steel. It can be used to extend the life of all reinforced concrete structures, including commercial buildings, parking decks, and bridges.

—*Cortec Corp.*
CIRCLE 67



WATERPROOF MANAGEMENT, LLC

CN2000®A is a rapid-setting, nontoxic, integrated cementitious capillary crystalline material designed to stop active leaks. It stops water flow instantly and reaches final set within 15 minutes of application. It's easy to apply and offers high strength and excellent durability. It seals leaking joints, tie holes, and cracks in concrete and masonry surfaces and can be used underwater.

—*Waterproof Management, LLC*
CIRCLE 68