

Product Showcase

Admixtures

MCI Corrosion Inhibitors

Cortec's Migrating Corrosion Inhibitors (MCI®) are gaining popularity as products for achieving concrete structures with prolonged service life. They are based on amine carboxylate chemistry that is USDA-certified and derived from renewable natural resources. MCI admixtures are dosed at low levels to provide corrosion protection without affecting concrete properties. MCI molecules migrate toward steel reinforcement, forming a monomolecular layer that protects the surface even when concrete is cracked. MCI admixtures and other products were used in the construction of the Burj Khalifa in Dubai, UAE, as a means of protecting reinforcement from the extreme salinity, temperatures, and humidity found in the Middle East.

—Cortec®, www.cortecvci.com



Perfin-305

Perfin-305 is an admixture that improves the surface appearance of formed concrete. It prevents the formation of air bubbles on the concrete surface, resulting in improved surface quality and allowing for a better concrete finish. Perfin-305 can be used in ready mixed and precast concrete applications, or whenever minimum surface defects or high architectural and aesthetic requirements are desired. Use of Perfin-305 creates improved concrete durability, reduced risk of rejection due to surface-quality-related issues, and reduced labor costs from concrete patching.

—Sika Corporation, www.sikausa.com

Pene-Krete

S-1400 Pene-Krete® Additive™ can be used as an admixture to prepare concrete for any type of coating. It is formulated to create a chemical reaction within portland cement-based products that enhances the concrete's natural hydration process by prolonging the hydration of the cementing materials and increasing workability. The addition of Pene-Krete Additive densifies the substrate and reduces the size of capillary pores; encapsulates and expels excess alkali, lime, and other contaminants; and thus makes the concrete less permeable.

—Super-Krete® International, Inc., www.super-krete.com

Green Sense Concrete

Green Sense® Concrete is an advanced mixture proportioning service that results in environmentally preferable, cost-effective concrete with optimized proportions. The mixture optimization service combines supplementary cementitious materials, non-cementitious fillers, or both, with Master Builders brand Glenium® high-range water-reducing admixtures, RheoTEC™ Z-60 workability-retaining admixture, or both, to meet or exceed performance targets. Green Sense Concrete attains the desired setting characteristics, strength, durability and, if needed, a higher slump at a reduced cost to the producer.

—BASF Corporation Admixture Systems, www.masterbuilders.com

