

Admixtures

Larsen Chemcrete SCC1

Larsen Chemcrete SCC1 is a “third-generation” high-performance, high-range water-reducing admixture. Chemcrete SCC1 was developed for production of self-consolidating concrete (SCC). It contains advanced viscosity-modifying polymers to improve the stability of SCC without adversely affecting flow characteristics. Further, it reduces the sensitivity of SCC to variations in water-powder ratio.

—Larsen Building Products, www.larsenbuildingproducts.com



CoolCure

New Technology Solutions, LLC, a subsidiary of Silicone Solutions, developed CoolCure, an admixture that converts ordinary portland cement into a Type IV, low-heat cement. By minimizing the generation of calcium hydroxide, this patent-pending admixture reduces the heat of hydration by up to 80%. In addition, Coolcure increases working/placement time and late-age compressive strength. CoolCure is recommended for mass concrete placements, as it minimizes the need for pre- or post-cooling of concrete.

—Silicone Solutions, www.siliconesolutions.com

MCI-2005

MCI®-2005 is a water-based, organic, migrating corrosion-inhibiting admixture for protection of metallic reinforcement in concrete structures. The admixture contains a blend of amine salts of carboxylic acids. The salts form a protective layer on embedded reinforcement, delaying the onset of corrosion and reducing corrosion rates. MCI-2005 can be used with concrete structures with conventional or prestressed reinforcement, and it's recommended for concrete that will be exposed to deicing salts, saline groundwater, airborne chlorides, and carbonation.

—Cortec Corporation, www.cortecvci.com

Extendflo RC

When MAPEI's Extendflo RC is used as part of an admixture system, it provides slump retention without retardation. Extensflo RC is recommended for production of self-consolidating concrete mixtures, and it can be used in concrete mixtures comprising supplementary cementitious materials. The admixture promotes consistency of workability, compressive strengths, and air content, and it minimizes the need for re-dosing of high-range water-reducing admixture at the jobsite.

—MAPEI, www.mapei.com

Acrygen D471

OMNOVA Solutions Acrygen D471 acrylic binder results in superior compressive and flexural strengths when used as a modifier in admixtures. It enhances the workability of mortar and concrete, delivers superior compressive and flexural strength, and boosts resistance to penetration of acid rain, oil, and salts.

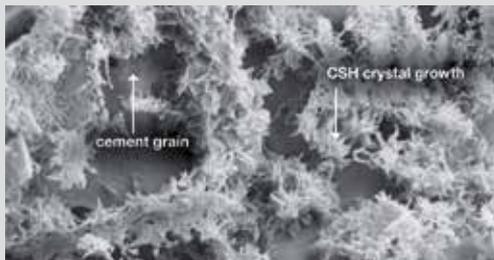
—OMNOVA Solutions, www.omnova.com

Master X-Seed 55

BASF's Master X-Seed® 55 is a strength-enhancing admixture that improves both early- and late-age strength development in concrete, while also supporting sustainable construction. Master X-Seed's

technology is a stable suspension of synthetically produced crystalline calcium silicate hydrate (CSH) nanoparticles. These nanoparticles facilitate the growth of CSH crystals between cement grains and improve the overall hydration of portland cement. The strength-enhancing property of this technology permits a reduction in the total cementitious materials content of a given concrete mixture while maintaining the compressive strength of concrete.

—BASF Corporation, www.basf.com



PREvent-C

PREvent-C®, developed by Premier Construction Products Group, a fully owned division of Premier Magnesia LLC, is a shrinkage-reducing and crack-control concrete admixture. The specially formulated powder provides dual functionality to prevent cracking or curling caused by shrinkage. Shrinkage-induced cracking may be reduced by as much as 90%, depending on mixture design and dosage of PREvent-C. As a result, this admixture can increase expected concrete service life and reduce construction timelines.

—Premier Construction Products Group, www.premiermagnesia.com

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