

Sika ViscoFlow-2020

Sika Corporation's Sika® ViscoFlow®-2020 is a polycarboxylate-based workability-retaining admixture for concrete applications. It has little to no water-reducing capacity, providing flexibility to control the initial workability of concrete using a water-reducing or high-range water-reducing admixture. Use of ViscoFlow-2020 enables predictable slump retention and minimizes the chances of having to add water to concrete at the jobsite. This helps to reduce strength variations as well as improve air void quality and the overall durability of the concrete. It increases the strength of concrete at all ages without reducing the water-cementitious material ratio, allowing for cement and supplementary cementitious material optimization. ViscoFlow-2020 can be used in conventional, high-slump, and self-consolidating concrete mixtures in any application when extended concrete workability without retardation is required.

—Sika Corporation, www.usa.sika.com



Eucon SRA-XT

Euclid Chemical's Eucon SRA-XT is a liquid admixture designed to reduce drying shrinkage and potential cracking in concrete. It is formulated to maintain a stable volume of air as well as a reliable air void system. Eucon SRA-XT reduces the surface tension of the meniscus formed at the air-water interface in the pores. This reduces the internal tensile stresses that cause shrinkage of the cement paste. Drying shrinkage can be reduced up to 50% when using Eucon SRA-XT. It does not contain added chlorides and will not promote the corrosion of steel. Eucon SRA-XT meets the requirements of ASTM C494/C494M and AASHTO M 194M/M 194 as a Type S admixture.

—Euclid Chemical, www.euclidchemical.com

Con^{mic}Shield

Conshield Technologies, Inc.'s, Con^{mic}Shield is an anti-microbial additive for concrete which prevents microbiologically induced corrosion of concrete in sanitary sewer environments. This additive provides protection throughout the entire thickness of concrete and cannot pinhole, delaminate, or wear off. Con^{mic}Shield's Crystal-X product line offers economical and effective damp-proofing protection of new and existing concrete sewer pipe and manholes as well as dams, reservoirs, bridge decks, foundations, sewage and water treatment plants, tunnels, and subway systems.

—Conshield Technologies, Inc., www.conshield.com



Manholes within 30 feet of each other just 6 years after installation in Hampton, VA

Krytol Internal Membrane

Kryton International, Inc.'s, Krytol Internal Membrane™ (KIM®) crystalline admixture offers a dampproofing solution by turning the concrete into a water barrier. When combined with water, KIM's proprietary chemicals react to form millions of needle-like crystals within the concrete. These crystals form and fill the capillary pores and microcracks, blocking the passage of water and waterborne chemicals. If new minor cracks form and allow water to enter, the chemicals will reactivate to form additional crystals to block the ingress of water. KIM is also an environmentally friendly alternative for creating a watertight concrete structure. This admixture extends the life of concrete structures, and does not preclude the concrete to be recycled at the end of the life cycle.

—Kryton International, Inc., www.kryton.com

