

Product Showcase

Technologies for Enhancing Durability



MAPEI Dynamon SX

Based on polycarboxylate technology, Dynamon™ SX is a high-range water-reducing admixture (HRWRA) that can be used in concrete mixtures to increase workability and/or reduce mixing water. It has been designed for use in both ready mixed and precast/prestressed applications. Dynamon SX ensures high workability, cohesiveness, and long slump retention in all concrete mixtures. Main applications include the production of self-consolidating concrete (SCC) or the production of durable concrete with low water content. It is available in 55 gal. (208 L) drums or 275 gal. (1041 L) totes. The admixture develops its maximum dispersing action when added after the dry mixture ingredients and at least 80% of the mixing water and before viscosity-modifying admixtures.

—MAPEI, www.mapei.com

PENETRON BIOMIC

BIOMIC is an antimicrobial admixture added to a concrete mixture at the time of batching. It forms a molecular bond with the concrete and inhibits the growth of microbes, bacteria, algae, and fungi. BIOMIC's technology is an EPA-registered microbiostatic agent that ruptures microbe cell walls on contact. This electrophysical action does not deplete BIOMIC. The agent is also resistant to leaching and will not migrate through the concrete. Applications include precast concrete, cast-in-place concrete, shotcrete, and concrete mixtures and mortars used in repairs. The temperature of a concrete mixture should be above 40°F (4°C) when incorporating this admixture. It is available in 5 gal. (19 L) pails, 55 gal. (208 L) drums, and 275 gal. (1041 L) totes.

—PENETRON, www.penetron.com



Euclid Chemical EUCON BARACADE WPT

EUCON BARACADE WPT is a silane/silicone emulsion admixture used to improve the durability and surface integrity of concrete exposed to harsh weather conditions. The admixture evenly disperses throughout the concrete during mixing, and it lines the concrete's pores with water-repellent components as the concrete sets. Concrete produced with EUCON BARACADE WPT resists moisture and chloride-ion penetration, reducing the potential for scaling, spalling, and other moisture-related degradation. When properly air-entrained concrete is produced with this admixture, the concrete is less susceptible to freezing-and-thawing and deicing salt-related damage. This product's applications include driveways, sidewalks, and patios; integrally colored decorative concrete; and architectural precast concrete. It contains no added chlorides or chemicals known to promote the corrosion of steel.

—Euclid Chemical, www.euclidchemical.com

BASF/WBA Wabo Trident Finger Joint System

Watson Bowman Acme (WBA), a BASF Construction Chemicals Business, offers a Wabo® Trident Finger Joint System for bridge and highway applications. This large-movement expansion joint system is designed and built to handle translational and rotational movements, including those caused by seismic events. Along with its unique ability to accommodate transverse movement, the joint system can restore itself to its original position via its internal torsional spring components. The advanced system design also allows the Wabo Trident Finger Joint System to be installed quickly with minimal downtime and lane closures.

—Watson Bowman Acme, www.wbacorp.com

—BASF, www.basf.com