

# Product Showcase

## Admixtures

### Specco Hydragel

Hydragel is a viscosity-modifying admixture (VMA) for concrete. It is a neutral, biodegradable, liquid chemical additive concentrate that works in conventional concrete, plaster, mixtures containing silica fume, or latex-modified mixtures. Hydragel contributes to stabilizing mixtures with high slump flow, leading to reduced bleeding and segregation, decreased permeability, and improved surface appearance. It also reduces rebound and pump pressure in shotcrete placements.

—Specco Industries, Inc., [www.specco.com](http://www.specco.com)

### CEMEX CEMSlag

CEMEX USA's CEMSlag™ is a hydraulic cementitious material (slag cement) that enhances the quality of concrete. It

is created when blast-surface slag, a by-product of the steel manufacturing process, is quenched and finely ground. The use of slag cement helps to reduce portland cement content, thereby reducing greenhouse gas emissions associated with concrete production; reduce permeability, thereby increasing resistance to chemical attack; and reduce heat of hydration, thereby reducing thermal cracking. CEMSlag is CalTrans-approved and available in bulk in California.

—CEMEX USA, [www.cemexusa.com](http://www.cemexusa.com)

### Kalmatron K100

Kalmatron's K<sup>100</sup>® (K100) is a liquid form of the company's KF-A admixture. It can be used in ready mixed concrete, shotcrete, mortar, and grout. K100 is designed to act as a high-range water-reducing admixture. It reduces shrinkage, enhances strength and durability, and controls efflorescence and water/vapor movement. It also acts as a corrosion-inhibiting admixture and meets the requirements of ASTM C1582/C1582M, "Standard Specification for Admixtures to Inhibit Chloride-



Induced Corrosion of Reinforcing Steel in Concrete." It is stable in pH < 3, salt concentration of up to 20%, and temperatures ranging from 400 to -50°C (752 to -58°F). K100's dosage rate is 54 fl oz/yd<sup>3</sup> (2 L/m<sup>3</sup>) of concrete or 10 oz per 100 lb (625 g per 100 kg) of cement.

—Kalmatron Corporation, [www.kalmatron.com](http://www.kalmatron.com)

### Sika Lightcrete Powder

Sika® Lightcrete Powder is a surfactant that produces very stable air contents. It is used to produce controlled low-strength material (CLSM), a backfill material that eliminates the need for compaction of layered backfill, improving productivity and speed of construction. The admixture is packaged in water-soluble bags and is added to the drum with the primary mixing water. After all ingredients are mixed for 5 to 7 minutes, the material volume is increased 20 to 35%. The resulting CLSM can then be placed directly from the mixer truck.

—Sika, [www.usa.sika.com](http://www.usa.sika.com)

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