

## Concrete Admixtures, Adhesives & Aids

# EDECON SHOTMIX

## (Type L, LA, LS, P and PS)

### DESCRIPTION

**Edecon ShotMix** is a non-corrosive, non-caustic accelerator for both wet and dry-process shotcrete. **Edecon ShotMix** is a formulation of inorganic chemicals and a special wetting agent that insures intimate contact of the accelerator with the Portland Cement for a rapid and uniform reaction.

**Edecon ShotMix-L:** for dry mixes, comes in liquid form

**Edecon ShotMix-LA:** for wet and dry mixes, comes in liquid form, high efficiency

**Edecon ShotMix-LS:** for wet and dry mixes, comes in liquid form, low efficiency

**Edecon ShotMix-PS:** powder form, high density

**Edecon ShotMix-P:** powder form, lower density

**Specification:** ACI-506\*, should be applied by a shotcrete certified nozzle and pump. (\*American Concrete Institute)

### USES

**Edecon ShotMix** accelerates both the initial and final setting times of using fine or coarse aggregate mix designs. Accelerating shotcrete with **Edecon ShotMix** allows continuous application to the required depth, vertical or horizontal, thus eliminating laminations, sloughing off and other structural defects.

**Edecon ShotMix** rapidly accelerates the set of shotcrete during placement operations greatly enhancing its ability to seal leakage and to provide early support of rock and earth. This advantage is critical in tunneling and other operations where normal setting times are not practical due to flowing water, rock relaxation and shock loads from equipment vibration and blasting. Using **Edecon ShotMix** will let operations proceed on time with minimum delay.

### ADVANTAGES

**Edecon ShotMix** makes shotcreting 100% more efficient.

### TECHNICAL INFORMATION

**Edecon ShotMix** complies with the cement matrix allowing fluidity and plasticity in the application of the mix.

### APPLICATION

Introduce **Edecon ShotMix** into the water ring for dry process (may be pre-mixed with water) and at the nozzle for wet process shotcrete. Refer to ACI-506, "Recommended Practices for Shotcreting" for further details.

### PHYSICAL CHARACTERISTICS

	pH	7.2
	Specific Gravity	1.2
	Weight per Gallon	10.014 Lbs
	Weight per Liter	1.2 kg
	Appearance	Brown
	H <sub>2</sub> O Solubility	100% soluble
	Odor	Sweet

### LIMITATIONS:

Do not pre-mix with dry cement of the shotcrete mixture.

**Edecon ShotMix** must be introduced at the nozzle for both wet and dry-processes.

### DOSAGE

**Dry Process:** Dry process shotcreting usually requires 32 oz. to 96 oz. per 100 lbs. (950 ml to 2,840 ml per 45 kg) of **Edecon ShotMix**.

**Wet Process:** Wet process shotcreting will require 64 oz. to 256 oz. per 100 lbs. (2 l to 7.5 l per 45 kg) of **Edecon ShotMix**.

The proper dosage rate is best determined at the jobsite using job materials under typical jobs conditions. Flash settings will take place at the highest dosage rates.

### PACKAGING

All of our products are available in the following delivery container sizes:

- Sample Jug – 19 liter / ≈ 5 US gallon
- Sample Mini-drum – 57 liter / ≈ 15 gallon
- Drum/Barrel – 200 liter / ≈ 53 gallon volume in a 55 US gallon drum
- Transport Tote – 1,000 liter / ≈ 263 US gallon
- Various Sized Tankers – available for bulk volumes

**WARRANTY:** The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages

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