

Concrete Admixtures, Adhesives & Aids

EDECON HYDROPEL

DESCRIPTION

Edecon Hydropel is a liquid integral water repellent admixture that reduces or eliminates absorption of water in concrete, masonry and mortar mixes.

Specification: ASTM E1506

USES

Edecon Hydropel is ideal anywhere concrete is exposed to moisture above or below grade including:

- Slabs on grade
- Foundation and retaining walls
- Exterior panels
- Columns
- Interior and exterior concrete walls
- Roof slabs
- Precast concrete
- Concrete masonry, mortar and stucco

ADVANTAGES

- Minimizes plastic shrinkage fissures by reducing the rapid evaporation of water.
- Increases the resistance to freezing and thawing.
- Increases the resistance to Alkali-Silica reactivity of aggregates in concrete.
- Minimizes the formation of mildew on walls and floor.
- Enhances curing by retaining mixing water.
- Minimizes damage due to corrosion of reinforcing steel.
- Eliminates efflorescence and dusting of concrete.
- Ideal lubrication for pumping concrete.

TECHNICAL INFORMATION

Edecon Hydropel creates a chemical change within concrete, forming an insoluble compound that acts as an impermeable lining on the sides of the pores and voids within the concrete, making it water repellent. This impedes evaporation outward during curing, thereby minimizing shrinkage. By preventing the free passage of moisture, the detrimental effects of freeze-thaw cycles are minimized.

PHYSICAL CHARACTERISTICS

	pH	5
	Specific Gravity	1
	Weight per Gallon	7.33 Lbs
	Weight per Liter	1 kg
	Appearance	Milky
	H ₂ O Solubility	100% soluble
	Odor	Acrid

APPLICATION

On Precast Concrete:

Edecon Hydropel is used in all precast concrete products that will be exposed to moisture. **Edecon Hydropel** is extremely efficient on concrete pumping operations.

On Concrete Masonry, Mortar and Stucco:

Edecon Hydropel is used in all exterior concrete masonry, mortar and stucco, to reduce absorption upon exposure to moisture.

DOSAGE

Edecon Hydropel is dosed at the rate of 64 oz. per cubic yard (1900 ml per cubic meter) for moderate moisture exposure and pumping applications. Use 128 oz. per cubic yard (3800 ml per cubic meter) of concrete for severe moisture exposure applications.

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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