

## Concrete Admixtures, Adhesives & Aids

# EDECON HYDROPEL-C

### DESCRIPTION

**Edecon Hydropel-C** is a concentrated liquid compound to be diluted one (1) to one (1) with water, that is used in all Portland Cement mixes as an integral water repellent that reduces absorption of water in concrete, masonry and mortar mixes.

**Specification:** ASTM E 1506

### USES

#### **Cast in Place Concrete:**

**Edecon Hydropel-C** is used in all concrete that will be exposed to moisture below and above grade. Examples of this includes, but is not limited to: slabs on grade, foundation walls, retaining walls, exterior panels, columns, walls and concrete roof slabs.

#### **Precast Concrete:**

**Edecon Hydropel-C** is used in all precast concrete products that will be exposed to moisture.

#### **Concrete Masonry, Mortar and Stucco:**

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

### ADVANTAGES

- Minimize plastic shrinkage cracks by reducing the rapid evaporation of water from the concrete.
- Increase the resistance to freezing and thawing and also the detrimental effects of wetting and drying.
- Increase the resistance to Alkali-Silica reactivity of aggregates in concrete.
- Minimize the formation of mildew on walls and floor.
- Cures within its mass improving strength and durability by retaining the hydration water of the concrete for more time.
- Minimize the possibility of the corrosion of the steel and the formation of fissures by expanding rust in areas where salts are present.
- Eliminates efflorescence and dusting of concrete.
- **Edecon Hydropel-C** is ideal for lubrication for pumping concrete.
- Concentrated for economy in freight and storage space.

### TECHNICAL INFORMATION

**Edecon Hydropel-C** 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 <sub>2</sub> O Solubility	100% soluble
Odor	Acrid

### APPLICATION

#### **On Precast Concrete:**

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

#### **On Concrete Masonry, Mortar and Stucco:**

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

### DOSAGE

**Edecon Hydropel-C** should be introduced to the mix after diluted at the rate of 32 oz. per 100 lbs. of cement (946 ml per 45 kg) for severe exposure to moisture, one (1) US gallon per cubic yard (4 liters per cubic meter) of concrete for moderate exposure to moisture, and for concrete pumping should be adequate.

### 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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