

Concrete Admixtures, Adhesives & Aids

EDECON CHEMCON

(Types R & N)

DESCRIPTION

Edecon Chemcon is a highly processed, liquid copolymer concrete admixture. **Edecon Chemcon** retards initial set, reducing shrinkage and increasing workability. Concrete produced with **Edecon Chemcon** maintains its slump for extended periods according to the specific requirements of each job. It is designed to provide any given mix the maximum possible workability and time to place it (up to 30 hours) as compared to a plain concrete mix.

Edecon Chemcon-R acts as a retardant admixture
Edecon Chemcon-N acts as a normal set admixture

Specification: ASTM C494, Types B & D

USES

- Prestressed concrete
- Ready mixed concrete for delivery at great distances
- Architectural concrete
- Cast-in-place pilings

ADVANTAGES

- Controls rate of initial set
- Reduces fissures by minimizing plastic shrinkage
- Improves workability; particularly at low slumps
- Retards initial set, allowing time for proper placement and finishing without cold joints
- Sustains slump at high temperatures
- Reduces permeability
- Reduces segregation
- Improves overall appearance
- Does not contain chlorides

TECHNICAL INFORMATION

Edecon Chemcon reacts with cement while the concrete is plastic, putting it in a dormant state for a period of time. This time factor is controlled by the dosage used. This results in a very low loss of slump. The rate of heat generation during the initial hydration of the concrete is reduced and does not rise during the plastic state of the concrete. **Edecon Chemcon** increases the density of concrete, making it less permeable and giving greater flexural strength.

PHYSICAL CHARACTERISTICS

	pH	6.5
	Specific Gravity	1.2
	Weight per Gallon	10.014 lbs
	Weight per Liter	1.2 kg
	Appearance	Amber
	H ₂ O Solubility	100% soluble
	Odor	Sweet

APPLICATION

Edecon Chemcon is generally compatible with most air-entraining agents, sealants and accelerators, though it should not be used in conjunction with other retarders.

DOSAGE

The typical dosage of **Edecon Chemcon** is 2 oz. to 6 oz. per 100 lbs. of cement (60 ml to 180 ml per 45 kg). Dosages can be adjusted depending upon the ambient temperature, retardation required and time needed to maintain slump.

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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