

Concrete Admixtures, Adhesives & Aids

EDECON COOLSET

DESCRIPTION

Edecon CoolSet is a liquid concrete admixture formulated especially to protect structural steel components from corrosion. **Edecon CoolSet** provides the most effective, technologically advanced and proven protection to extend the service life for concrete structures.

Specification: ASTM C-494, Type C

USES

Edecon CoolSet should be for any concrete placed where it will be exposed to environments that can induce corrosion in reinforcing steel such as:

- Concrete in contact with sea salts
- Docks, pilings and marine structures
- Concrete parking garages
- Roadways exposed to de-icing salts

ADVANTAGES

- Protects against corrosion due to sea salts and other corrosives
- Easy to apply
- Extends the working life of concrete structures
- Reduces maintenance costs

TECHNICAL INFORMATION

Corrosion of reinforcing steel is an electrochemical process involving an electrical current. Humidity, oxygen, the presence of impurities, interior forces and other factors within the steel or concrete can create areas of differing potentials and cause corrosion. In alkaline environments such as concrete, corrosion may not occur simply because of the high pH. This is due to the fact that the steel is sealed within a protective iron layer normally formed by alkaline reaction of the steel. If the pH falls below this level, the protective layer is broken and the steel begins to corrode. The most effective and economical ways to minimize or reverse the corrosion is with the use of a corrosion inhibitor such as **Edecon CoolSet**.

Edecon CoolSet stabilizes the natural protective oxidation found in structural reinforcing steel in concrete. This significantly reduces the rate of corrosion by making it more difficult for chloride ions to penetrate.

PHYSICAL CHARACTERISTICS

pH	6.5
Specific Gravity	2.23
Weight per Gallon	18.610 lbs
Weight per Liter	2.23 kg
Appearance	Opaque
H ₂ O Solubility	Emulsifiable only
Odor	Odorless

APPLICATION

Use **Edecon CoolSet** at the rate of 2 to 6 US gallons per cubic yard (7.5 to 22.5 liters per cubic meter).

DOSAGE

The level of protection increases in direct proportion to the dosage. Add at a range of 6 oz. to 32 oz. per 100 Lbs. of cement (177 ml to 946 ml per 45 kg).

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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