



CRETESTONE
CRETECURE

CRETOCURE 2005 BCI

[Bipolar Corrosion Inhibitor]

Description

CRETOCURE 2005 BCI is a Bipolar corrosion inhibiting liquid concrete admixture based on BCI Technology for use in reinforced concrete and mortar. It acts as a corrosion inhibitor for the steel reinforcement. By using CRETOCURE 2005 BCI, the life expectancy and durability will be substantially increased.

Uses

CRETOCURE 2005 BCI is designed for reinforced concrete particularly at risk of corrosion, It specifically provides protection from chloride induced corrosion. Typical uses are in:

- Concrete roads
- Bridges
- Tunnels
- Retaining walls
- Industrial plants
- Multi Storey car parks

Advantages

By using CRETOCURE 2005 BCI both the anodic and cathodic reactions of the electrochemical corrosion process are reduced. The product forms film on the steel surface which delays the onset of corrosion and also reduces the rate of corrosion.

CRETOCURE 2005 BCI is a combination of organic corrosion inhibitors, The following advantages can be achieved using CRETOCURE 2005 BCI

- Corrosion protection for embedded reinforcing steel, especially from chloride attack
- Protection from the destructive influences of reinforcement corrosion
- No negative influences on the properties of both the fresh and the hardened concrete

CRETOCURE 2005 BCI is neutral to hydrogen embrittlement of prestressed steel, it neither enhances nor limits hydrogen embrittlement of prestressing steel,

Application Instructions

Mixing

CRETOCURE 2005 BCI is mixed with the gauging water or added at the same time into the concrete mixer. It may also be added to the concrete in the transit mixer at the point of discharge. In this case, an additional mixing time of at least 1 minute per m³ concrete must be observed. Before discharging it, check the concrete visually for uniform consistency. The quantity of CRETOCURE 2005 BCI in the mix design should be taken into consideration when determining the quantity of water for a specific WC ratio. CRETESTONE CRETECURE 2005 BCI is not to be mixed with dry cement.

Application Method / Tools

When using CRETOCURE 2005 BCI, high quality concrete is normally being produced. General rules of good concrete manufacturing- and placing practice must be observed. Correct curing of the concrete must also be carried out.

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Technical Data

Chemical Base Modified Amino Alcohol
Density 1.04 kg/l@25°C

Dosage

Recommended dosage: 2-3 % by weight of cement/binder

Colors

Green - Blue Liquid

Packaging

200 kg & 20 kg

Storage

12 months from date of production if stored properly In undamaged and unopened, original sealed containers at temperatures between +10°C and +40°C. Protected from direct sunlight and frost.

Health & Safety

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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