

CAPLAST CORROSION INHIBITOR

CALCIUM NITRITE BASED CORROSION INHIBITOR

DESCRIPTION

CAPLAST CORROSION INHIBITOR is a calcium nitrite based admixture designed to inhibit the corrosion of steel reinforcement in concrete. When used at recommended dosage rates this product introduces the proper, industry recognized amount of anodic inhibition.

FEATURES

CAPLAST CORROSION INHIBITOR inhibits corrosion of steel in concrete at its most critical points. CAPLAST CORROSION INHIBITOR provides additional protection by adsorbing onto the reinforcing steel to form a corrosion resistant protective film. The protective film dramatically slows down the corrosion process by preventing chlorides from reacting with reinforcing steel.

USES

CAPLAST CORROSION INHIBITOR is recommended for all types of steel reinforced concrete, including pre cast/ pre stressed and post tensioned application. Parking garages, bridge decks, slabs, floors and other reinforced concrete application requiring corrosion protection against chlorides.

ADVANTAGES

- Calcium nitrite based formula
- Used for many years in the concrete industry.
- Chemically inhibit the corrosion process.
- Reduces the need for additional
- Accelerating admixture in cold weather
- Increases protection for reinforcement in concrete.

Dispensing

Best by dispenser into the gauging water or directly with water into mixer.

Overdosing

An overdose of double the recommended dose results in Acceleration of setting time. The ultimate compressive strength will not be affected significantly.

TYPICAL PROPERTIES

Calcium Nitrite content: Minimum 30 %
Compatible with ordinary Portland cement
Compatible with other Ahlia admixtures, provided they are added separately to the mix.

Shelf Life :

At least 18 months if stored in tightly sealed containers at normal ambient temperature.

DIRECTION FOR USE

Mix design

It is strongly recommended to establish optimum dosages. Trials to be made with actual ingredients and job site requirement. Preliminary trials will allow the ready mix concrete producer to determine the proper batching sequence and the required dosage of other admixture needed to deliver the specified concrete mix to job site.

CAPLAST CORROSION INHIBITOR is supplied ready for use. It should be added to concrete mixes during mixing process preferably at the same time along with mix water.

Typical dosage

As per specified on the project or as a guide 5 to 30 liter /m³ of concrete depending on chloride ion protection required.

CAPLAST CORROSION INHIBITOR has a high dosage level, calculation of water: cement ratio should include the water added to the mix in admixture.

Packaging

CAPLAST CORROSION INHIBITOR is supplied in bulk by arrangement, 205 liter barrel or 20 liter cans.

Storage

Preferably store in sealed conventional containers, protected from extreme weather conditions.

SAFETY PRECAUTIONS

CAPLAST CORROSION INHIBITOR is non toxic and non flammable. Splashes to eye should be washed immediately with abundant of water. It is advisable to use goggles and gloves while handling CAPLAST CORROSION INHIBITOR

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TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note : The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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