



CC CIS

Corrosion Inhibiting Solution

DESCRIPTION

CC CIS is an effective liquid corrosion inhibitor based on calcium nitrite specially designed to protect the reinforcing steel in concrete. It inhibits chemically the corrosion process by reacting with chloride ions to prevent the last to attack the steel. It functions as an anodic corrosion inhibitor; it reacts with the defective ferrous oxide ions and converts it to more stable ferric ions less sensitive to corrosion. It delays the corrosion process by repassivating deficiency on the steel surface. CC CIS is compatible with all Portland cement and usual with all plasticizer and super-plasticizer admixtures. It doesn't affect the air entrainment.

SCOPE OF USE

- CC CIS is used in concrete for parking structures, marine structures, bridges and balconies where chloride salts are presents.
- It is recommended also for streets and highways exposed to corrosive environments, and for restoration and repair of all reinforced concrete.

DOSAGE

The dosage range is from 5 to 30 liter/m³ and it is directly related to expected chloride concentration. if other admixtures are to be used in concrete containing CC CIS, they must be dispensed separately

APPLICABLE STANDARDS

Conforms to ASTM G 109

INSTRUCTIONS FOR USE

CC CIS is a ready to use admixture to be added to concrete at the ready-mix plant, directly to the ready-mix truck drum, to portable mixers, or directly into repair mortars. It is recommended to mix concrete and mortar thoroughly.

CHARACTERISTICS

Appearance Yellowish Liquid
Specific Gravity 1.20 ± 0.05
pH minimum 9



PACKAGING

CC CIS is supplied in 20 liters pails, 200 liter drums and 1000 liters totes.

STORAGE

Can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

HEALTH & SAFETY

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation. In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

FIRE

CC CIS is nonflammable