

# REC CORRO-IN-11Ci

## Corrosion Inhibitor Solution

### DESCRIPTION

Rec Corro- IN-11Ci 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 passivating deficiency on the steel surface. Rec Corro-IN-11Ci is compatible with all Portland cement

and usual plasticizer and super-plasticizer admixtures. It doesn't affect air entrainment.

### SCOPE OF USE

Rec Corro-IN-11Ci 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.

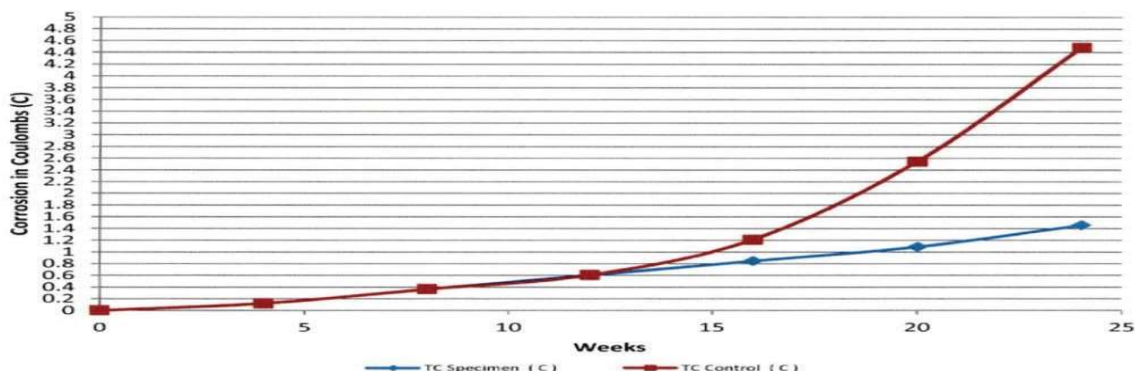
### FEATURES/BENEFITS

- Minimizes deleterious expansions in concrete due to ASR
- Increases durability and life span of the concrete structure
- Allows use of locally available aggregate
- Compatible with appropriate pozzolans and other RECKON admixtures
- Easy to use.

### TECHNICAL INFORMATION

|                      |                      |
|----------------------|----------------------|
| Appearance           | Liquid               |
| Color                | Yellowish            |
| Density              | 1.20 – 1.28 Kg/ Lit. |
| Non-Volatile content | min 30 %             |

### APPLICABLE STANDARDS

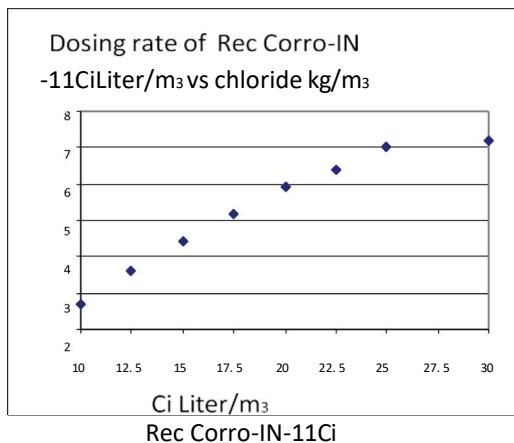


## INSTRUCTIONS FOR USE

Rec Corro-IN-11Ci 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.

## DOSAGE RATES

The dosage range is from 5 to 30 liter/m<sup>3</sup> and it is directly related to expected chloride concentration.



if other admixtures are to be used in concrete containing Rec Corro-IN-11Ci, they must be dispensed separately.

## PACKING

Rec Corro-IN-11Ci is supplied in 20 liters pails, 200-liter drums.

## STORAGE

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

## HEALTH AND 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.

## QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

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