

SmartCare APCOREP CONPROTEK CPCI

(Concrete Penetrating Corrosion Inhibitor)

SmartCare APCOREP CONPROTEK CPCI is a hi-tech corrosion inhibition system that works on the Bipolar Inhibition Mechanism (B.I.M.). B.I.M. inhibits corrosion of the steel in concrete at the poles, cathodic & anodic simultaneously. APCOREP CONPROTEK CPCI by virtue of its high vapour pressure & affinity for the embedded metal diffuses through the densest concrete to reach the corroding steel.

Upon deposition on the rusted steel substrate, APCOREP CONPROTEK CPCI molecules prevent further reaction between the steel and chloride/oxygen thus arresting the corrosion process.

AREA OF APPLICATIONS

Protection & structural rehabilitation of concrete structures, R.C.C. elements/ structures exposed to corrosive environment. Marine structures, structures exposed to saline atmosphere, coastal structures, sewerage systems, etc. like bridges, jetties, docks, mooring berths, railway sleepers, chlorinating plants, swimming pools, chimney, cooling towers, power plants, pipelines, etc.

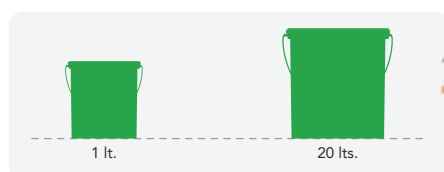


PRODUCT BENEFITS

- Penetrates concrete surfaces and arrests corrosion of rusting steel
- Acts as a cathodic and anodic inhibitor at the same time
- Extends effectiveness and durability of repairs
- Reaches the unexposed side of reinforcement, ensuring total protection
- Non-toxic, eco-friendly, calcium nitrite free
- Non-deleterious unlike conventional rust converters
- Effective even in the presence of high amount of chlorides

PRODUCT FEATURES

AVAILABLE PACKS



HOW TO APPLY

- Thoroughly remove the spalled concrete and loose material
 - Abrade / clean the rusted steel mechanically
 - Spray APCOREP CONPROTEK CPCI along the exposed concrete surface in the vicinity (Wear safety goggles during spraying)
 - After few minutes wipe the concrete/steel surface with moist cloth to remove residual material from the surface
 - The inhibitor by now has already penetrated the concrete. Follow up with application of bond coat and subsequently with repair mortar / concrete / plaster. In case of application for preventive maintenance, abrade the concrete surface mechanically to remove loose particles, incrustations, residual oil, grease etc.
 - Remove existing paint if the surface is already painted, by abrading
 - Spray APCOREP CONPROTEK CPCI over entire concrete surface. (Wear safety goggles during spraying)
 - After a few minutes wipe the surface with a moist cloth to remove any residual material which has not penetrated.
 - Keep the container tightly closed in a cool place
- Dosage Rate :** 4 sq.mt. / Lt. Spray repeatedly over the area as to dose the required quantity. Dense concrete may require repeated application, while porous substrate would absorb immediately.

ADDITIONAL INFORMATION

Technical Data

Base	Water based bipolar organic corrosion inhibitor
Appearance	Clear brown liquid
Dosage	4m ² /Lt.
pH	Minimum 9.5
Cleaning	Water