

## CORROSION GUARD- CR

### (Liquid based migratory bipolar corrosion inhibitor)

#### DESCRIPTION:

CORROSION GUARD-CR is liquid-based migratory bipolar corrosion inhibitor for concrete is a specialized chemical treatment designed to protect reinforced steel within concrete from corrosion. This inhibitor is characterized by its ability to migrate through the concrete's porous structure, reaching the reinforced steel and providing comprehensive protection against corrosion.

#### AREAS OF APPLICATION:

In repairs and rehabilitation of concrete structures, to prevent corrosion to the embedded steel, as an anti-corrosive protector for concrete in high saline environment.

#### ADVANTAGES:

- CORROSION GUARD is a surface applied corrosion inhibitor which is applied directly on old concrete surfaces to prevent further corrosion of embedded steel rebars.
- CORROSION GUARD is a multifunctional inhibitor which controls the cathodic and anodic reactions. This dual action effect significantly retards both the onset and the rate of corrosion maintenance.
- CORROSION GUARD is applied as an impregnation by spray, roller or brush on to the surface of the concrete. The corrosion inhibitor penetrates into the concrete and protects there in for cement by forming a protective film on the steel surface.

#### TECHNICAL SPECIFICATIONS:

Sr. No	Specifications	Technical Details
1	Base	modified amino alcohol & inorganic compounds
2	Appearance	White/Transparent liquid
3	PH	9.5
4	Coverage	4.5 sq. mtr/ltr
5	Viscosity	25 CPS
6	Shelf life	12 months in original unopened
7	Density	1.15 kg/ltr @ 25° C

#### SAFETY PRECAUTIONS:

When handling liquid-based surface-applied bipolar corrosion inhibitors, wear protective gloves, safety glasses, and a face mask, and avoid skin contact, eye exposure, and inhalation of vapours.

