

POLYALK CP 293+

Bipolar Migrating Corrosion Inhibiting Admixture

DESCRIPTION

POLYALK CP 293+ is a bipolar, non-nitrite, migrating corrosion inhibiting admixture that protects rebars from corrosion induced by chloride ions as well as due to carbonation of concrete. It forms a unimolecular, protective layer on the surface of steel thereby inhibiting corrosion. POLYALK CP 293+ is also recommended as an admixture in cementitious grouts including those used for the protection of PT tendons against corrosion.

APPLICATIONS

- Steel reinforced concrete in marine zones
- Piers, piles, and concrete dock structures
- RCC structures exposed to corrosive environments
- Bridges, highways, chlorinating plants, sewerage systems
- Adds corrosion inhibition properties to cementitious grouts
- Recommended for protection of PT tendons

ADVANTAGES

- Simultaneous cathodic and anodic protection of steel
- High penetrating power resulting in total protection of rebars or PT tendons
- No adverse effect on properties of hardened concrete or grout
- Effective even in presence of high amount of chlorides
- Eco-friendly, nitrite and chromate free
- High alkalinity offers additional protection to steel

DIRECTIONS FOR USE

- POLYALK CP 293+ is used as an admixture added to the batch water during mixing of cement, sand and aggregates.
- May be added to ready mix truck at the concrete plant or at a job site.

- Compatible with other SUNANDA admixtures but should be added separately.

TECHNICAL DATA

Colour	Brownish Liquid
pH	11.0 +/- 0.5
Specific Gravity	1.04 +/- 0.01 at 27°C
Packing	20, 208 Ltr HDPE drums
Shelf Life	12 months when stored in a cool, dry place, away from direct sunlight in original sealed packing
Dosage	0.6 ltrs per cubic meter of concrete Upto 1.5 % by weight of cementitious material in grout mix
Conformance	ASTM G 109-2005, ASTM G3, ASTM G1, JIS Z 1535

HAZARDS IDENTIFICATION

- Health hazards: No particular hazard known. If the product spills on to the skin and dries up, some irritation may occur.

FIRST AID MEASURES

- Skin contact: Immediately wash thoroughly with soap and water.
- Inhalation: Remove to open air. Seek medical attention.
- Contact with eyes: Immediately wash under running water with eyelids open for at least 15 minutes. Seek medical attention.
- Ingestion: Rinse mouth thoroughly and drink plenty of water. Seek medical attention.

QUALITY ASSURANCE

- All products are manufactured under a Quality Management System for Design, Manufacturing and Selling of Construction Chemicals as per the standards of ISO 9001:2008