

## POLYALK CP 293+

### Corrosion Inhibiting Admixture for Reinforced Concrete Structures

#### DESCRIPTION

POLYALK CP 293+ is a 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.

#### INSTRUCTIONS 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 job site.

- Compatible with most other admixtures but should be checked in a trial mix.

#### TECHNICAL DATA

Colour	Brownish Liquid
pH	11.0 ± 0.5
Specific Gravity	1.04 ± 0.01 at 27°C
Packing	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 liters per cubic meter of concrete Upto 1.5% by weight of cementitious material in grout mix
Conformance	ASTM G 109, ASTM G3, ASTM G1, ASTM C 1582

#### 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.

#### DISCLAIMER

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