

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

This information is accurate and reliable to the best of the knowledge. It is meant as a guideline only. Sunanda Speciality Coatings Pvt. Ltd. (SSCPL) cannot give any guarantees under any circumstances for the results, or assume any obligation or liability in connection with the use of this information. It is recommended that the product be tested to determine its suitability for specific applications. Since, SSCPL has no control over how others may use its products; it is recommended that the Specifier, Architect, Engineer, Contractor and Owner assume all the responsibilities in connection therewith.