



## HIND CORROGUARD-SA (formerly Hind Plast Super CI-SA)

### PRODUCT DATA SHEET

#### SURFACE APPLICATION MIGRATORY BIPOLAR CONCRETE PENETRATING CORROSION INHIBITOR

##### DESCRIPTION

**Hind Corroguard-SA** is a Migratory Bipolar Corrosion inhibitor based on modified liquid amine formulated to prevent corrosion of embedded steel reinforcements in concrete. It is free from nitrites and chromate. When it is coated over concrete, its unique migratory property prevents corrosion of embedded steel reinforced structures at both anodic and cathodic sites, which are exposed to high chloride and corrosive chemical environments conforming to **ASTM-G-109 & JIS A-6205**.

##### PERFORMANCE

**Hind Corroguard- SA** functions as a high performance corrosion inhibiting admixture simultaneously affects both anodic and cathodic processes, it contains molecules in which electron density distribution causes the inhibitor to be attracted to both anodic and cathodic sites. By virtue of the moisture within the concrete these molecules migrate towards the steel and get deposited in a monomolecular layer along the steel and re-establish the barrier between the steel and chloride to prevent corrosion.

##### USES

**Hind Corroguard-SA** should be applied over thoroughly cleaned concrete surface free from any types of existing paints, oil, or grease.

##### DOSAGE

The optimum dosage of **Hind Corroguard-SA** to meet specific requirements should always be determined depending on the severity of the corrosion environment and anticipated chloride loading of the structure. Normally we recommend dosage/coverage ranging between 4-5 Sq. Mtr. per Kg per Coat over concrete.

##### PROPERTIES

Aspect	Pale yellow/Clear Liquid.
Active Ingredients	100% Organic compound
Specific Gravity	1.05 – 1.08 at 25°C
Viscosity at 25°C	11-12 secs by Ford B4 Cup
pH	Minimum 9.5
Toxicity	Non-toxic, Echo-friendly.
Effect	No adverse effect on the physical properties of fresh & hardened concrete. It does not entrain air.

##### SHELF LIFE

In un-opened condition, protected from direct sunlight and frost at temperatures between 2°C and 50°C. Best before 12 months from the date of manufacture. It should be stored away from reducing agents and combustible materials.

## PACKING

**200 Kg.** Container or as required.

## HANDLING PRECAUTION

**Hind Corroguard-SA** is non-toxic and ingestion is to be avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

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### Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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(AN ISO 9001: 2015 COMPANY)

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