

ShaliProtek® CI SA

Dual phase surface applied corrosion inhibitor for reinforced concrete



STP Limited

Description

ShaliProtek® CI SA is a surface applied corrosion inhibitor, which protects steel bars imbedded in concrete through formation of protection layer around bars.

It is specially formulated to migrate into the concrete by a liquid or vapor diffusion process to form a monomolecular passive layer on the steel reinforcement.

Characteristics

Colour	Light Amber	Specific Gravity @ 25°C	1.05 - 1.08
pH	9 ± 1	Chloride content	NIL

Application

- Protection of overhead / vertical and horizontal concrete structures.
- Protection of prestressed, precast, post tension or marine structures.
- Bridges and High ways where deicing salt use is obvious.
- Corrosion protection of building facades, balconies, parking structures.

Advantage

- Corrosion protection for embedded reinforcing steel, especially from chloride attack
- Extends the service life of structures in a de-icing salt and marine environment
- Dual Phase, high penetrating
- Bi-polar nature for protecting both anode and cathode zones
- Vapour permeable

Application Methodology

➤ Surface Preparation

- Concrete surface shall be free from all dust, dirt, oil, grease, chemical coatings, curing compounds and other contaminants that can inhibit penetration.
- Carry out water blast, shotblast to achieve the desired surface condition
- New concrete must be properly cured
- Spalls, delamination shall be removed and repaired.
- Cracks, joints shall be pretreated with **ShaliProtek® CI SA** before sealing
- Prior to installing repair materials, **ShaliProtek® CI SA** may be applied to properly cleaned reinforced bars.
- For surface application on concrete, use spray, roller or brush.

Dosing

4 - 5 m² per liter. For dense substrate use 2 to 3 coats at an interval of 8 hours.

Health & Safety

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection. In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 L and 200 L drums.

Storage

Store in a cool dry place under shed away from heat.

Shelf Life

12 months in original unopened condition.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation
- Road Surfacing
- Sealants and Additives
- Pipeline Coating
- Protective / Anti-Corrosive Coating
- Epoxy Flooring
- Grouts / Admixtures
- RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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