

PRODUCT**PCR**
Penetrating Corrosion Restrainer**DESCRIPTION**

PCR is a liquid designed to penetrate through even the most compact concrete structures to reach the steel re-bars and inhibit their corrosion.

The peculiar characteristics of this innovative product is that a simple application to the concrete surface shall stop and inhibit corrosion of the embedded steel without requiring its exposure.

PCR protects against the harmful effects of corrosion by migrating into even densest concrete stopping further corrosion of the most rusted metals.

PCR does not contain any calcium nitrite.

PCR does not require the removal of sound concrete.

PCR allows concrete to breathe and vapour to diffuse.

PCR does not require curing time.

USES

PCR is recommended for:

All reinforced, precast, prestressed, post-tensioned or marine concrete structure.

Steel-reinforced concrete bridges, highways and roads exposed to corrosive environments (carbonation, deicing, salts and atmospheric attack).

Parking lots, ramps and garages.

Preventive maintenance Restoration of all reinforced concrete commercial and civil engineered structures.

Concrete piers, piles, pillars, pipe and utility poles.

SPECIFICATIONS

-Density: 1.03 - 1.04 Kg/dm³

-Colour: clear amber

-Flash Point: NA (water -based)

-pH: 9.0 - 9.5

- Consumption: 0,2 ÷ 0,4 liters/sq.m.

- Limitations: Application temperature range is comprised between + 5 °C and 38 °C. Do not apply to frozen substrate or when temperature is expected to fall below freezing within the next 10-12 hours.

Before applying any other coating the treated surface should be water blasted to remove any residues of material.

- Shelf Life: 2 years if store in a sealed drums

- Storage: keep from freezing.

- Packaging: 20 liters pails and 200 liters drums.

**SURFACE
PREPARATION**

Surface should be dry, sound, clean and free of all dirt, oil, grease, efflorescence, sealers, coatings, membranes and asphalt. Cleaning may be done by water blasting or sandblasting.

APPLICATION

Apply PCR by spray (conventional airless or hand pressure spray equipment), roller, squeegee or paint brush to any concrete surface. Dense substrates may require two (2) coats with a minimum of 7/8 hours between coats.

HANDLING AND TOXICITY

"A" and "B" Components for Industrial Use Only.

Prevent prolonged contact with the skin, use suitable goggles for eyes and impervious gloves (rubber or polyethylene); barrier creams such as Kerodex K7 may also assist in affording additional protection.

Contaminated skin areas should be cleansed with soap and water. For eyes flush with plenty of water and get medical attention.

The use of solvents for skin cleansing should be avoided

All information and direction contained in this technical data sheet are given in good faith and are based on the best known practical test.

SINIT when having no control over transport, storage, handling, use and application of its product, will disclaim any responsibilities for any unsatisfactory results obtained.

All tests have been carried out at 23 °C

Revised: January 2002.

These data supersede all previously published data.

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