

PCI 1010

Surface Applied Corrosion Inhibitor

Description	PCI-1010 is a single-component, clear liquid with a mild odor. PCI-1010 is a surface- applied corrosion inhibitor impregnation designed to migrate through even the densest concrete structures. Through vapor pressure and capillary action, it seeks out the steel rebar's embedded in concrete. PCI 1010 also protects non-ferrous metals as aluminum and galvanized steel. Standards: Confirmed effective in Lab. According to ASTM G -109,B117.
Where to use	• All reinforced, precast, pre-stressed, post – tensioned or marine concrete structures. • Steel reinforced concrete bridges, high ways and street exposed to corrosive environments. • Parking decks, ramps and garages. • Concrete piles, piers, pillars and pipes. • Repair and maintenance of all reinforced concrete structures.
Advantages	• PCI-1010 will extend the life of all reinforced concrete structures. • PCI-1010 provides the following advantages: • Protects against corrosion. • Stops further corrosion of the rusted metals. • Effectively improves condition of substrate prior to repairs. • Easily applied. • Does not contain chlorides or nitrites. • Does not require the removal of sound concrete. • Allows concrete to breathe. • No cure time is required .
Properties	
Appearance	Clear
Specific gravity	1.14 ±0.02
Flash point	N/A
Recoating Time	7 hours
PH	9 - 9.5
Surface Preparation	Remove all grease, curing compounds, coatings, residue, etc. by proper means. Light sandblasting, shot blasting, pressure washing or other methods of surface abrasion may enhance penetration.
Application	• PCI-1010 can be applied by spray, roller, squeegee or paint brush until surface is saturated. Allow to penetrate into surface. Spread with squeegee, brush or roller until absorbed. • For optimum results, apply as the surface is shaded and cooling down. • Remove any excess PCI-1010. • Dense concrete may require two coats. • Min. time between coatings 7 hrs. • When applying as sealer, coating, repair mortar or concrete overlay. the surface must be rinsed with water or blast cleaned to remove any residue.

Theoretical coverage	• 150 - 200 g/ m²/ coat • Minimum of two coats are recommended especially for dense , vertical and over- head substrates.
Packaging	20 & 5 Kg pails.
Shelf life & Storage	12 months in sealed drums if stored in appropriate conditions.
Precaution	• the substrate and ambient temperature should be above freezing point. • Don't apply if the temperature is expected to fall below freezing. • Do not apply to hot, sunlight-exposed surface. • Visible concrete defects (spelling, cracks) must be repaired. • The surface treatment has to be executed with cold water.
Health and Safety	• Keep out of reach of children. • Keep container tightly closed. • Not for internal consumption. • For industrial use only. • Wash off any PCI-1010 on the skin with plenty of water before it dries. • In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. • wear suitable gloves.
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.