

Product Data Sheet  
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Identification No. RC - 14



## PCI - 1010

Surface Applied Corrosion Inhibitor

### Description

PCI-1010 is a surface- applied corrosion inhibitor impregnation designed to migrate through even the densest concrete structures. Through vapour pressure and capillary action it seeks out the steel rebars embedded in concrete . PCI- 1010 also protects non-ferreous metals as aluminum and galvanized steel.

### Where to use

- All reinforced , precast , prestressed , 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.
- Protects against corrosion.
- Stops further corrosion of the rusted metals.
- Easily applied.
- Don't contain chlorides or nitrites.
- Doesn't require the removal of sound concrete .
- Allows concrete to breathe.
- No cure time is required .

### Properties & Standards:

Appearance:	Clear
Specific gravity:	1.14 ± 0.02
Flash point:	N/A
Recoating Time	7 hours
PH	9-9.5

- Confirmed effective in Lab. According to ASTM G-109

### How to use

#### Surface preparation:

- Surface should be clean , sound and free of dirt , oil , grease , sealers and coatings.
- Surface may be cleaned by steam cleaning , water blasting or sand blasting.

#### Application :

- PCI-1010 can be applied by spray , roller , squeegee or paint brush.
- 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.

#### Limitations:

- the substrate and ambient temperature should be above freezing point.
- Don't apply if the temperature is expected to fall below freezing.

#### Theoretical Coverage :

- 6 – 8 m<sup>2</sup> / Kgm /coat .
- Two coats is recommended especially for dense , vertical and over- head substrates.

#### Packaging:

- 5 , 20 Kgm . pails .
- 200 kgm . drums.

#### Shelf life & Storage:

24 months in sealed drums if stored in appropriate conditions.

### Health and Safety

- Keep out of reach of children .
- Keep container tightly closed.
- Not for internal consumption.
- For industrial use only.

### 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 applications that requires specific properties rather than our main range.

For our customer's satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.