

PC Protect WCR



High performance water and chloride repellent for concrete structures

Product Overview

PC Protect WCR is a silane-siloxane based sealer which penetrates deeply into concrete and masonry works to protect the structures and surfaces from adverse effects of salts, free ions/radicals, moisture, etc. It provides an effective barrier for water and chloride ion penetration. It can also be used on both old and new concrete surfaces.

Areas of applications

1. Parking decks, bridges, lane barriers, ramps, etc.
2. Exterior surfaces of all concrete works, architectural and aesthetically appealing works
3. All precast, post stressed
4. Marine platforms and jetties, dockyards, shipyards, etc.

Properties

1. PC Protect WCR makes the substrate water vapour permeable.
2. It blocks the pores and capillaries, hence provides excellent water repellency. It also protects reinforcing steel bars.
3. It is resistant to harsh chemicals and alkalis.
4. It can be applied to any concrete, whether old or new.
5. Easy to apply and economic.
6. Renders new concrete virtually free of surface scaling.
7. It provides full protection in single treatment but can be reapplied if needed.

Guidelines for Usage

1. Surface preparation : Concrete surfaces to be treated should be clean, dry and free from laitance. Sandblasting/high pressure waterjet blasting or mechanical wire brushing may be necessary. Cracks or damaged concrete surfaces should be repaired properly so that it can be covered while applying PC Protect WCR. Membranes of any kind should be removed. New concrete surfaces should be well cured with proper curing compounds before applying the same.

2. Mixing : PC Protect WCR is a single component, ready to apply product. Hence it doesn't require any mixing prior to application.

3. Application : For horizontal surfaces cover the entire surface with sufficient amount of PC Protect WCR. Spread the material evenly using brush, roller, sponge or by sprayer. Wait till the surface absorbs the entire material and becomes dry. For vertical surfaces, apply using a sprayer or roller.

Coverage area

<u>Concrete surface texture</u>	<u>Coverage area</u>
Trowelled smooth substrate	3 - 4 m ² /ltr
Slightly rough textured surface	2 - 3 m ² /ltr

Further the coverage rates depend upon the nature and texture of the concrete substrate.

Packings available

PC Protect WCR is available 20 ltr metallic cans and 200 ltr metallic drums.

Storage and Shelf life

PC Protect WCR should be stored away from direct sunlight and heat. It has 12 months shelf life when stored in original, dry and unopened packs.

Safety Measures

PC Protect WCR must be stored in dry place. Proper safety precautions and tools must be taken into consideration, i.e. wearing safety gloves, safety goggles, safety apron and nose masks, etc. Treat splashes to eyes and skin immediately. Clean the tools and equipments with acetone after application is over. Don't dilute PC Protect WCR with solvents or thinners. Don't apply it if rain is expected within 8 hours. For further queries related to application and safety precautions, please contact Mcrete technical representative.

Technical data

Aspect	Clear to slightly amber, mineral spirits based solvent
Solids content	10 %
Density	0.90 g/cc
<u>Drying time</u> Foot Traffic Wheel Traffic	5 - 6 hours 10 -12 hours
VOCs	720 g/ltr

For further clarifications Please contact on below address

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