

SMACSIL[®]-WR

Inorganic Concrete Penetrant And Water Repellent

SMACSIL[®]-WR is a formulation based on intelligent self assembling inorganic molecules specially tailored for Indian climatic conditions. It is an environment friendly Green formulation which penetrates the concrete matrix, seals it & imparts dust-proof finish to the treated concrete.

Due to intelligent self assembling cross-linkage forming molecules, the treated concrete gets permanently hydrophobic & easy to clean surface.

REACTION MECHANISM :

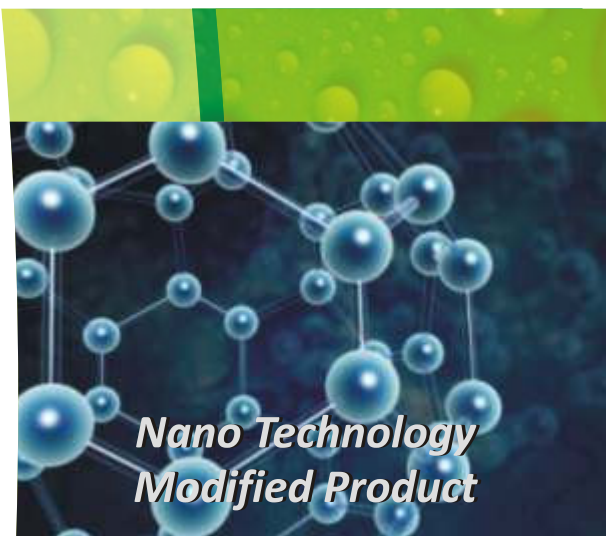
When **SMACSIL[®]-WR** is applied to concrete surfaces, the intelligent chemicals in the formulation react with the free lime in the concrete. This reaction produces many nanocrystals in the concrete matrix & the micro-capillaries, producing sealing effect. Further, the intelligent chemical molecules on the surface assemble & orient themselves in such a manner that the surface of concrete becomes dust proof & stain resistant.

ADVANTAGES :

- Penetrates & seals concrete permanently against moisture, mild acids & mild alkalis.
- Prevents chalking of concrete
- Surface hardens the concrete
- Resists staining of concrete
- Produces an easy to clean surface
- Resists chloride penetration in & carbonation of the concrete
- Protects concrete for a long period of time without need of much maintenance
- Being water based formulation, it is an environment friendly Green product

APPLICATIONS :

- Bridge decks
- Paving block floors
- Industrial floors
- Garages & Parking areas
- Roof tiles
- Sunk slabs
- Terrace slab
- WC areas
- Concrete basement
- Concrete water tank
- Industrial floor
- Swimming pool



SMACFIL[®]-WR

PROPERTIES:

- Form : Liquid
- Colour : Translucent to yellowish white
- Specific Gravity : 1.05±0.1
- pH : 9±0.5
- Chlorides : Nil
- Compatibility : With all cements (OPC, PPC, Fly Ash base)
- Toxicity : Non-toxic
- Shelf life : 12 months in original sealed pack

APPLICATION PROCEDURE:

Remove all the loose materials to expose the base concrete. Wash the concrete with plenty of water. Wash the concrete with 10% muriatic acid solution. Again wash the concrete with plenty of water. Let the concrete dry to SSD (saturated surface dry) condition. Fill all the cracks, honey-combs, voids etc using our BONDCRETE RP repair compound. Apply **SMACFIL[®]-WR** liberally by brush or spray over the concrete surface. Allow the surface to dry for 24 hours. Protect the treated surface for 48 hours from direct water splashes, rains, foot & other traffic and scorching heat of the Sun. For water retaining structures, let the treatment dry for 72 hours and then fill water into it. Wash all the tools with water & soap.

COVERAGE:

9 to 10 sqm per litre per coat depending on surface absorption.

PACKING:

1 litre, 5 litre & 20 litre plastic cans

CAUTION:

Protect from splashes on skin & eyes. Use protective gear like goggles, hand gloves etc. In case of accidental splashing, wash with plenty of water. In case of accidental ingestion, do not induce vomiting & immediately seek medical assistance.

Disclaimer: The information given in good faith is based on our in-house testing & site results. However, we do not guarantee the same as the conditions of actual use are beyond our control.

WE HAVE OUR OWN PROJECT DIVISION & UNDERTAKE LARGE PROJECTS.



FACTORY & REGD. OFFICE :

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