



WARRIOR® W-4

WATER REPELLENT

NON-VISIBLE, DEEP PENETRATING IMPREGNATOR, SEALER AND PRIMER, WATERPROOF BY MICRO-CRYSTALLISATION

USES

- Extensive water repelling of exposed porous roof tiles, concrete rooftop, cement plaster, brick, gypsum, limestone, terra-cotta, clay tile, outdoors stone monuments, historical buildings, temple statue, bridge girder, drain culvert, etc.
- Reducing sulphurous gasses and acid that penetrate the building material by capillary action. Reducing salt formation and damages.

FEATURES

- **W4** is a water miscible solvent-based micro-emulsion concentrate based on silane / siloxane.
- **W4** works by penetration and micro-crystallisation, expanding and filling itself in the pores. At the same time, it allows breathing, so that trapped moisture can escape, reducing salt formation that causes concrete spalling, efflorescence and cracking.
- **W4** will impart water droplet effect to the treated surface, reducing water absorption by up to 99%.
- **W4** is long lasting and UV resistant.



APPLICATION METHODS

W4 is a highly concentrated solution that can be diluted with water according to the different needs. Dilution dosage:

For rectifying water leakage

W4 + water = 1 + 10

For prevention and protection of new buildings

W4 + water = 1 + 50

1. Surface to be treated has to be clean and dry to ensure good penetration. Allow the surface to be treated to dry for at least 24 hours, before application.
2. Dilute **W4** accordingly, as recommended above.
*Chemical reaction starts when **W4** comes in contact with water. Therefore, diluted **W4** must be used within 24 hours. Prepare amount of **W4** solution needed for daily use only.*
3. Apply by roller or brush. Apply from Top to Bottom area.



WARRIOR® W-4

WATER REPELLENT

NON-VISIBLE, DEEP PENETRATING IMPREGNATOR, SEALER AND PRIMER, WATERPROOF BY MICRO-CRYSTALLISATION

4. Apply second coat at 30-minute interval.
5. For application in bathroom, do not use the treated bathroom for 24 hours, to allow **W4** to dry and cure.

COVERAGE:

1 litre of diluted **W4** solution can cover up to 3 m², depending on substrate absorbency.

REMARK

- **Prior to full application, always do a patch test on remote corner of the tiles or granite and check for any unwanted surface appearance change after 24 hours.**
- **Wipe away excessive W4 solution that is not being absorbed by the substrate. Do not allow W4 solution to air-dry on the surface as it might leave undesirable stain.**
- *Windowpane, glass or any other non-absorbent materials stained with W4 should be cleaned with soapy water immediately.*
- *If spraying method is used. Do not mist the spray.*
- *Tight grain highly polished light colour granite and marble tiles has to be treated with care, do not over coat, to avoid silicone wet looking stain. Silicones Stain can only be removed by polishing. To protect from oil stain, food stain, the stone has to be coated with wax.*
- *Do not coat beneath the marble or stone tile as waterproofing treatment, as it will reduce bonding strength, leading to tile de-bonding and hollowness.*
- *The heavily coated surface will be very slippery. Avoid **Slip & Fall**.*
- *Avoid direct skin, eye contact with the solution; avoid breathing the vapour, use in ventilated area. Avoid naked flame.*

TECHNICAL DATA

Form:	A liquid concentrate with slight pungent smell
Active Content:	100 %
Depth of penetration:	Greater than 4 mm.
Shelf Life:	9 months. Store below 30 °C.
Flash Point:	Greater than 25 °C.

PACKING

500 ml-bottle