



W4 WATER REPELLENT

NANO-SIZED, INVISIBLE, DEEP-PENETRATING SEALER

USES

- Promotes paint adhesion and prevents paint peeling in wet weather.
- Extensive water repelling for exposed porous stone, granite, marble, roof tiles, concrete roofs, cement plaster, brick, gypsum, limestone, terra-cotta, clay tiles, precast walls, outdoor stone monuments, historical buildings, temple statues, bridge girders, drain culverts etc.
- Reduces sulphurous gases and acid that penetrate the building material by capillary action. Reduces salt formation & damage.

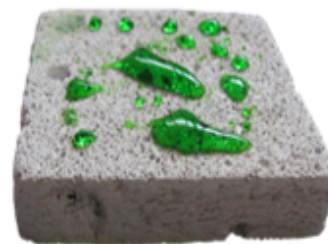
FEATURES

- A good concrete sealer before painting; seals against alkaline breaching and improves paint adhesion. Extends paint service life by 2 to 3 years. Can also be added into emulsion paint at 1% level before painting.
- A water-miscible, environmentally friendly micro-emulsion concentrate based on silane/siloxane.
- 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, cracking and fungus growth.
- Imparts a water-droplet effect to the treated surface, reducing water absorption by up to 99%.
- Provides long-term performance of up to 20 years (with slight yellowing on white marble surfaces). Not affected by UV and abrasion.

APPLICATION METHOD

Stone is sensitive. Test apply on a small area to check on the changes in shade before full application.

1. Dilute **W4 + Clean Water = 1 + 50 to 100** (use it within 24 hours)
2. Ensure surface is clean and dry. Use a roller or brush.
3. Pour onto the floor and spread it with a rubber squeegee.
4. Apply 1 to 2 coats wet-over-wet before it dries.
5. Application Temperature: 0°C to 50°C.
6. Coverage: About 40-80 m² / litre
7. Drying time: 30 minutes at 25°C.
8. Curing time: 1 day at 30°C and 10 days for cold climate.
9. Diluent: Water or alcohol



Porous surface treated with W4



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CAUTION DURING APPLICATION

- Avoid naked flame. Do not apply by mist spraying. Use in a well-ventilated area.
- Do not use W4 to waterproof the bottom surface of the marble and stone tiles as it will lead to de-bonding. Use W40 instead.
- Do not allow W4 to form water patches, as it will dry into a dark and oily silicone stain. Stains can be removed by polishing or buffing and using C100 Citric Kleen.
- Highly polished light-coloured tight-grain granite and marble tiles have to be handled with care. Do not overcoat to avoid wet-looking silicone stains.
- Be sure to cover windows and non-absorbent surfaces before applying. It is almost impossible to remove after a few days. Wipe any splashes on window panes with soapy water or an organic solvent if necessary.

TECHNICAL DATA

- Form: Liquid concentrate with slight pungent smell
- Active Content: 100%
- Depth of penetration: Greater than 4 mm
- Concrete cup test: 99% of water remains in the cup after 24 hours.
Detergent water will leak dry in 30 minutes.
- Shelf Life: 12 months. Store below 30°C.
- Flash Point: Greater than 25°C
- Testing: PSB tested on Oct 3, 2003
Water Absorption Rate 0.01 % after treatment

PACKING

0.1 litre 0.5 litre 1 litre 5 litre 20 litre

Disclaimer:

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W4 Water Repellent Projects



Hillview Mansion



Far East Square



Malayan Railways, 1998



2019-12-30 No stains on the ceiling after 21 years



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