

Weberprim hydro seal

Water Repellent Treatment For Natural Stone Slabs



weberprim hydro seal is a ready to use, transparent, thin liquid, solvent type, silicone-based impregnator for use in the protective treatment of natural stones, selected ceramic & clay tiles, cementitious substrate etc. manufactured to stringent Internal Quality Assurance System, conforming to BS 5750 : Part 2 : 1987.

TECHNICAL DATA & PHYSICAL PROPERTIES

Product Consistency	: Thin Liquid
Colour	: Transparent / Clear
Density	: 0.80 g / cm ²
Shelf Life	: 12 months
Inflammability	: Flammable
Toxicity Hazard	: Solvent
Touch Dry Time	: 2 - 4 hours
Cure Time	: 24 hours
Flash Point (ASTM D56)	: 35°C
Application Temperature	: 5 - 30°C
Temperature Resistance	: Excellent
Frost Resistance	: Excellent
Water Resistance	: Excellent
Damp Resistance	: Excellent
UV Resistance	: Excellent
Ageing Resistance	: Excellent
Resistance to Acids	: Fair
Resistance to Alkalis	: Fair
Resistance to Solvents	: Fair
Resistant to Oil / Grease	: Fair
Film Breathability	: Excellent

USAGE

weberprim hydro seal is specially formulated for application onto natural stone (ie. marbles, granites, slates, sandstones, limestones, quartzite etc.), porcelain tiles, quarry tiles, terracotta, terrazzo, facing bricks, veneer slice bricks, pebblewash, concrete pavers, cementitious substrate etc. Suitable for use at wall or floor, dry or wet and both internal and external areas.

Suitable for use on underside & edges (4 sides) of natural stone slabs etc. It provides water repellency properties to surface or treated materials for protection against staining (by water) & for easier maintenance.

Note :

It will enhance the natural colour or appearance of treated surfaces; therefore not suitable for application to top surfaces of polished natural stone etc. May be applied on top surface of textured materials (flame or sandblast finish natural stones etc.); if colour change is acceptable.

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GENERAL PERFORMANCE

weberprim hydro seal is supplied ready-to-use, therefore no further dilution is required. Once fully cured weberprim hydro seal functions as a protective treatment to treated materials, where it affords water repellent properties.

It displays hydrophobic effects to protect treated surface against staining, discoloration or formation of water marks caused by rising damp (water ingress). Being a silicone impregnator, its deep penetrating nature affords long-term protection. It may however result in a slight film formation.

weberprim hydro seal offers the following advantages :

- Reduces water & oil permeability of treated surfaces; therefore eliminates developments of water stains.
- Seals & protects against staining or discoloration.
- Minimizes the appearance of efflorescence on both surfaces & joints.
- Protects treated surface from weathering eg. rain, frost etc.
- Allows easier maintenance of treated surface by allowing easier removal of graffiti, grime, dirt, dust etc.
- Unaffected by ultra violet rays
- Non-yellowing
- Prevents surface dusting; therefore eases maintenance & preservation of substrate.
- Easy to apply using brush, cloth or roller
- Fast drying and able to support foot traffic within 24 hours.

Note :

Where the underside of natural stone slab is treated with prim hydro seal, install this slab using a latex modified adhesive system for improved adhesion strength.

APPLICATION / USAGE

- **weberprim hydro seal** is supplied ready-to-use. No further dilution is required. Stir well before use.
- Preliminary testing on small trial areas is important to determine coverage and compatibility of **weberprim hydro seal** with materials to be treated.
- Natural stone slabs & other materials to be treated must be dry, sound and free of contamination eg. grease, oil, dust, laitance etc.
- Do not apply on damp or wet surfaces and during wet weather conditions.
- Apply **weberprim hydro seal** to the underside & edges (4 sides).
- Apply **weberprim hydro seal** evenly with a brush, roller or cloth. Ensure that thin even coats are applied; rather than thick or lumpy coats.
- **weberprim hydro seal** can be applied as a single coat protective treatment. However more often than not, certain materials may require two (2) or more coats of treatments for effective water repellent result.
- It is advisable to check porosity of material to be treated to determine the number of treatment coats required. Generally, low porosity (dense) material would normally require 1 - 2 coats of treatment; however, porous material may require two (2) or more treatment coats.
- Where a second coat is required, allow the first coat to impregnate into the natural stone slab, usually within 30 - 60 minutes, before applying the second coat in similar fashion. The timing will vary dependent on porosity or texture of materials to be treated, weather or atmospheric condition etc. Repeat similarly should additional treatment coats be required.
- The second coat (subsequent coat) must be applied wet on wet; before the first coat (preceding coat) dries out or fully cures.
- 1 - 2 hours after application of final coat, any residue **weberprim hydro seal** which can no longer impregnate must be buffed off (polish) using a clean dry absorbent cloth.
- **weberprim hydro seal** achieves touch dry within 2 - 4 hours, but its hydrophobic properties start to develop within 24 hours. It achieves maximum properties in 5 days.
- Treated natural stone slab should only be installed after 24 hours (preferably longer).
- Adequate protection from weathering & traffic must be provided during application and while **weberprim hydro seal** has yet to cure.

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Note :

- **weberprim hydro seal** is solvent-based; therefore apply in areas with good cross ventilation. It is flammable; therefore avoid contact with open fire or sources of ignition during application.
- Staining or discoloration of natural stone slabs arising from oxidation within the natural stone slab cannot be prevented with treatment of **weberprim hydro seal**.
- It is the responsibility of users / applicators to determine condition & suitability of all surfaces; prior to actual application.

COVERAGE

Depending on porosity of material to be sealed :

Low water absorption (<5%)

= 1 - 2 liters / 100 m²

Moderate water absorption (20 - 30%)

= 4 - 6 liters / 100 m²

High water absorption (35 - 50%)

= 10 - 12 liters / 100 m²

PACKING

Available in 1, 5 & 20 liters steel container.

SHELF LIFE / STORAGE

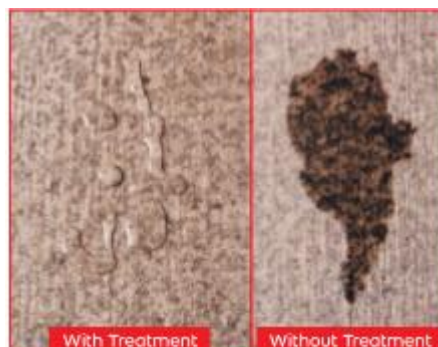
At least 12 months; when stored in dry conditions of normal ambient temperature. Store out of direct sunlight.

TECHNICAL SERVICES

For further details or recommendation please contact our Technical Advisory / Specification Center at 603-6038 9498 (KL) & 604-626 2830 (Penang)

PRECAUTION

- Avoid contact with eyes. If enters eyes wash out with water and seek medical attention.
- Keep away from children's reach.
- Use in well ventilated areas & away from sources of ignition. It is flammable.
- May cause minor skin irritation to those with sensitive skin. Wear gloves or apply suitable barrier cream.



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