



PW-1 PENETRATING SEALANT

INVISIBLE FINISH (NON-FILM-FORMING)



PAVERS



MASONRY



STONE



Description

PW-1 is a ready-to-use, water-based silane / siloxane water repellent for concrete, natural and dimensional stone, masonry and stucco surfaces. PW-1 permits the surface being treated to breathe. It helps prevent masonry from cracking, spalling, staining and other damage related to water intrusion. It has low odor, is alkaline stable and is ready to use. Use on horizontal surfaces such as driveways, sidewalks, tile, brick, sandstone and pavers. Provides excellent protection for retaining walls, bridge pilings and other vertical areas exposed to de-icing salts.

Uses and Advantages

- Excellent for exterior and interior.
- For residential and commercial installations.
- Penetrates deeply for long-lasting protection on vertical or horizontal surfaces.
- Treated surfaces “breathe” – moisture will dissipate.
- Water-based formula minimizes explosion and fire hazards compared to solvent-based water repellents.
- Low odor for safer application in occupied buildings.
- Alkaline stable – suitable for new “green” concrete, 14–28 days old.
- Ready-to-use. No on-site dilution required.
- Chemically bonds with the substrate which produces a durable hydrophobic treatment.
- Effective protection against de-icing salts and salt air.
- Easy soap-and-water cleanup from window glass, window frames and equipment.

Standards and Regulatory Compliance

- ASTM E
- PW-1 is compliant with the following national, state and district AIM VOC regulations:
 - US Environmental Protection Agency
 - California Air Resources Board SCM Districts
 - South Coast Air Quality Management District

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- Maricopa County, AZ
- Northeast Ozone Transport Commission

Limitations

- Install only at temperatures between 40°F and 95°F (4°C and 35°C).
- Will not keep water out of cracks, defects or open joints.
- Not suitable for protecting surfaces subject to constant water spray such as car washes.
- Not recommended for below-grade application.
- Not suitable for application to resin paint surfaces, gypsum, glass or other non-masonry and non-porous surfaces.
- Does not guard against hydrostatic pressure.

Suitable Substrates

- Concrete (green and fully cured).
- Masonry cement block, brick, segmented pavers, segmented retaining walls.
- Properly prepared existing ceramic tile, cement terrazzo, quarry tile, natural stone and dimensional stone, and pavers.

Surface Preparation

- Protect people, vehicles, property, plants, windows and all surfaces not to be treated with this product, from splash, residue, fumes and wind drift. Protect and/or divert pedestrian foot and auto traffic.
- All substrates should be structurally sound, stable, dry, clean and free of any substances that may reduce or prevent proper application of this product. Thoroughly clean the surface using the appropriate **DYNA®** brand of cleaner. Clean newly constructed and repointed surfaces before application. PW-1 won't impair adhesion of most sealing and caulking compounds. Always test for compatibility.
- Though PW-1 may be applied to slightly damp surfaces, best performance is achieved on clean, visibly dry and absorbent surfaces. Excessive moisture inhibits penetration, reducing the service life and performance of the treatment.

Mixing

No mixing requires. The product is ready for use.

Application

Read the Safety Data Sheet (SDS) before use.

ALWAYS TEST a small area of each surface to confirm suitability, coverage rates and desired results before starting overall application.

Best results are achieved with a low-pressure (<50 psi) sprayer with a fan-type spray tip and adjustable pressure to avoid atomization of the material. For small scale application, or when spray application is not appropriate, brushes or roller may be used.

For best results, apply "wet-on-wet" to a visibly dry and absorbent surface.

Vertical Surfaces: Sprayer

- Spray from the bottom up, creating a 4–8 inch (15–20 cm) rundown below the spray contact point. Let the first application penetrate for 5–10 minutes. Re-saturate. Less will be consumed and greater coverage will be achieved in the second application.

Vertical Surfaces: Brush or Roller

- Recommended for small scale application or when spray application is not appropriate.

Horizontal Surfaces

- Saturate in a single application. Use enough to keep the surface wet for 5–10 minutes. Broom

out puddles until they soak in.

Dense Surfaces

- Apply a single coat. Use enough to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Apply a second coat.

Cleaning

Wash your tools immediately after application with water. Clean your hands and tools with soap water.

Protection

Treated surfaces dry to touch in 1 hour or less. Protect surfaces from rainfall for 6 hours following treatment. Protect from foot and vehicle traffic until visibly dry. PW-1 gains its water-repellency properties in 24 to 48 hours.

Notice

DYNA® shall not be liable for incidental and consequential damages, indirectly or directly sustained, nor for any loss by application of these goods not in accordance with the printed instructions or for other than the intended use. Before using the user shall determine the suitability of the product for its intended use and the user will assume all risks and liabilities that may arise in connection therewith. Our liability is expressly limited to the replacement of defective goods. Any claim shall be deemed waived unless the claim is made in writing to us within 15 days from the date it was, or reasonably should have been, discovered that the product was defective.

Coverage

Substrate	U.S sq. ft.	Metric sq. m.
Concrete Block	150 - 200	14 - 19
Concrete Pavers	150 - 300	14 - 28
Brick	50 - 175	5 - 16
Terra Cotta	50 - 175	5 - 16
Sandstone	50 - 125	5 - 12
Slate	150 - 400	14 - 38

Product Performance

Test Procedure	Test	Test Results
ASTM E514	Wind driven rain resistance, penetration reduction.	88.7 Percent
ASTM E514	Wind driven rain resistance, leakage reduction.	100 Percent

Properties

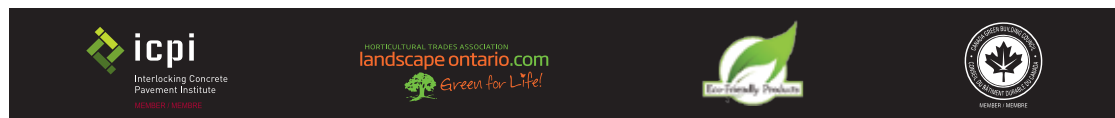
at 72°F (22°C) and 50% relative humidity

Shelf life	2 years in unopened containers
Active Content	15%
Flash Point	> 212°F (> 100°C) ASTM D3278
Freeze Point	> 32°F (0°C)
Final Cure	24 - 48 hours
VOCs (Rule #1168 of California's SCAQMD)	26 g/L

Packaging

Product Code	Size / Color
4605-189	5 U.S. Gal. (18.9 L) Can
4605-378	1 U.S. Gal. (3.78 L) Can

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