



## **PS-1** PROTECTIVE SEALANT

INVISIBLE FINISH (NON-FILM-FORMING)

**PS-1** PENETRATING SEALANT

### Description

DYNAMATRIX® PS-1 Penetrating Sealant is a clear and transparent sealer formulated to protect interlocking pavers, concrete surfaces, cementitious surfaces, their joints, masonry brick, and stucco against stains, dust, dirt, water, acid rain, chemical attack, fungus, salts, UV rays, and efflorescence damage. PS-1 also protects from freeze/thaw damage such as spalling and bubbling rendered by the harshest climates. Treated surfaces develop hydrophobic properties. Non-film forming and will not make surface slippery. Surfaces that are treated with this product absorb significantly less and yet the surface develops no change in moisture vapor transmission.

### Features and Advantages

- Non-film-forming invisible finish
- Protects against spalling, freeze/thaw damage, chemical attack, salt, biological growth, efflorescence, tar, and dirt pickup
- Does not change the appearance of the surface being treated
- Chemically and physically bonds to surface
- Has excellent depth penetration
- UV stable
- Will not peel or yellow
- Vapour permeable

### Recommended Surfaces

For interior and exterior uses (UV stable), it can be applied on colored porous concrete surfaces such as:

- |                                |                |
|--------------------------------|----------------|
| - Interlocking Concrete Pavers | -Masonry Brick |
| - Stamped Concrete             | -Stucco        |
| - Cementitious Surfaces        | -Grout Joints  |
| - Terrazzo Floors              |                |

## Coverage

275 to 325 square feet per 3.78 L (1 gallon) depending on the surface treated.  
1375 to 1625 square feet per 18.9 L (5 gallons) depending on the surface treated.

## Directions

### A. Surface Testing

Before starting your project, always perform a surface test by applying the product on a small inconspicuous area and let the surface dry for 60 minutes. If you are satisfied with the results, proceed with the work.

### B. Surface Preparation

1. Remove all stains with the adequate *Dynamatrix®* Cleaning Solutions.
2. Clean the entire surface area using *Dynamatrix® EF Efflorescence Cleaner*, This step is necessary in order to remove efflorescence deposits, ground in dirt and color variations.
3. Let dry completely after cleaning. It is recommended to wait at least 24 hours without dampness before applying the *PS1 Penetrating Sealant*. However, if pavers have been exposed to full day sun for 6 hours after cleaning, you can proceed with the application.

### C. Sealant Application

Conditions : When applying *PS1 Penetrating Sealant*, the ideal temperature should be between 18 °C (65 °F) and 25 °C (77 °F) with no rain in the forecast for the next 12 hours. The surface to be treated should be completely dry, clean and even looking. Morning application is recommended. (Application under scorching sun is not recommended)

Tools : Use a slit foam roller and a metal paint tray. If you wish to use a sprayer to apply the *PS1 Penetrating Sealant*, make sure that you back roll the surface immediately with the slit foam roller to even out the surface.

Method : **HORIZONTAL APPLICATION:** Starting at the highest point of the surface, proceed in small sections of 7 ft x 7 ft (2 m x 2 m) at a time. Using the slit foam roller, roll on one coat of *PS-1 Penetrating Sealant* followed by an immediate second coat to saturate the surface being treated. Redistribute any puddles or free standing sealant. Proceed to your next area.

**VERTICAL APPLICATION:** Starting at the highest point of the surface, proceed in small sections of 7ft x 7ft (2m x 2m) at a time. Using the slit foam roller, roll on **ONLY ONE** generous coat of *PS-1 Penetrating Sealant* to saturate the surface being treated. Roll out any running sealant to prevent streaking. Proceed to your next area.

When reaching the bottom, clean up all excess sealant at the base to prevent puddling.

## Caution

1. For newly installed surfaces, wait at least 60 days before using this product.
2. Do not apply if surface is damp or dirty.
3. Do not apply if weather is uncertain.
4. Do not apply in extreme heat. (Mid-day sun)

## Packaging

*Dynamatrix® PS1 Penetrating Sealant* is available in 3.78 L (1 US gallon), 18.9 L (5 US gallons).

## Storage

Keep in storage at temperature between 10 °C (50 °F) and 22 °C(72 °F). The shelf life of this product is 5 years in its original unopened container.

## Safety Warnings

**CAUTION: POISON, COMBUSTIBLE: MAY CAUSE SKIN AND EYE IRRITATION. CONTENTS MAY BE HARMFUL. FUMES MAY BE HARMFUL.** Do not swallow. Do not get in eyes or on skin or clothing. Do not breathe fumes. Do not take internally.

**KEEP OUT OF REACH OF CHILDREN.** Wear a mask. Wear rubber gloves and safety glasses. Use only in a well-ventilated area. Keep away from flames or sparks.

**FIRST AID TREATMENT:** Contains light aromatic hydrocarbon, methyl methacrylate. If swallowed, call Poison Control Center or doctor immediately. If person is alert, induce vomiting. If in eyes, rinse well with water for 15 minutes. If on skin, wash with soap and water for 15 minutes. If on clothes, remove clothes. If breathed in, move person into fresh air. If unsure of condition, get medical attention immediately.

## Clean-up

Clean all tools with lacquer or paint thinner.

## Limited Warranty

This premium quality product was designed to satisfy the user. If you are not satisfied after Surface Testing on a small area, please contact our technical service department immediately. **NO WARRANTIES** expressed or implied are offered by *DYNA*. The Manufacturer's liability is limited to the replacement of products proven defective. The user assumes all risks and liabilities associated with the use of this product.

## Notice

*DYNA* shall not be liable for incidental and consequential damages indirectly or directly sustained, nor for any loss or injury by the application of this product or for any other 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. *DYNA's* liability is expressly limited to the replacement of products proven defective.

## Technical Support

If you have any questions or if you need any additional information on *DYNA's* products, please consult our website [www.dyna.ca](http://www.dyna.ca) or reach us by e-mail at [mail@dyna.ca](mailto:mail@dyna.ca).

## Shipping Information

Ground and Maritime freight : Not Regulated  
Packing Group : III

## Technical Data

Test Procedure	Typical Values Obtained
Physical State	Liquid
Colour	Translucent clear and mobile liquid
Odour and Appearance	Sweet / acetic
Water Solubility	Negligible
Specific Gravity	.83642
Boiling Point	195 °C
Freezing Point	Not applicable
Flash Point	> 212 °F (> 100 °C) ASTM D 3278
Melting Point	Not applicable
Percent Volatile	60 - 90 %
ASTM C 97 Reduction of Under Absorption (compared to untreated surface)	90%
ASTM E 96 Water Vapour Transmission (retention compared to untreated control)	91%
ASTM E 514 Standard Test Method for Water Penetration and Leakage Through Masonry (compared to untreated control)	100%
Partition Coefficient (K o/w)	No data available
Evaporation Rate	.12 n-butyl acetate = 1
Viscosity	Unknown
VOC	< 349 g/L

Version: 1

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