



Product Data Sheet

PRODUCT DESCRIPTION

Permaflex is a decorative exterior elastomeric latex coating for use in above grade waterproofing. When properly applied it prevents penetration of wind driven rain into porous substrates. It remains flexible and will expand and contract as it bridges hairline cracks. Passes TT-C-555B Wind Driven Rain and ASTM-D822 Accelerated Weathering.

TYPICAL USES

Formulated for use as a finish coat on primed or previously painted exterior vertical surfaces of stucco, poured masonry, pre-stress concrete, concrete block and properly primed wood. To effectively waterproof the substrate, a continuous, pin-hole free film of 10 mils dry film thickness is required.

BASES & COLORS (tintable with ACS colorant)

MC-1531 White Base 0-4 oz/gal
MC-1533 Deep Base 4-10 oz/gal

PHYSICAL PROPERTIES

Resin Type 100% Acrylic
Clean-up Solvent Water
Finish 0-10 @ 85°
Solids by Weight 59 %
Solids by Volume 45 %

Theoretical Coverage @ 1 mil 722 ft²/gal

Practical coverage @ Total Recommended Dry Film Thickness¹

Smooth block 45 – 55 ft²/gal
Split-face block 40 – 50 ft²/gal
Poured Concrete 50 – 60 ft²/gal
Troweled Stucco 50 – 60 ft²/gal
Blown on Stucco 40 – 50 ft²/gal

Dry Times²
@ 70° F (21° C) Recoat 4 hours
and 50% R.H. Through 10 days

VOC's 70 grams/liter
(ranges from 70 – 83 grams/liter depending on base)

1 Spread rates are estimates based on products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

2 Dry times may vary depending upon temperature, humidity and degree of air movement.

SPECIFICATIONS

Exterior Wood

1 ct AU-Series Alkyd Primer
or
1 ct BU-Series Acrylic Primer
2cts MC-Series Permaflex Elastomeric Finish

Block

Smooth
1 ct MC-0521 Permaflex Masonry Conditioner
2 cts MC-Series Permaflex Elastomeric Finish

Porous Block

1 ct BF-Series Exterior Block Filler
2 cts MC-Series Permaflex Elastomeric Finish

Poured Concrete

1 ct MC-0521 Permaflex Masonry Conditioner
2 cts MC-Series Permaflex Elastomeric Finish

Stucco

1 ct MC-0521 Permaflex Masonry Conditioner
2 cts MC-Series Permaflex Elastomeric Finish

This product meets or exceeds Master Painters Institute (MPI) # 113 approval standard.

For more detailed recommendations, please contact your local Diamond Vogel Sales Representative.

PERFORMANCE CHARACTERISTICS

Elongation

ASTM D412/Tensile (PSI) @ 77° F 381%-503 lbs
@ 32° F 376%-620 lbs
@ 4° F 162%-1174 lbs

Water Vapor Transmission

ASTM-E-96 5 – 6 Perms
(grains/hr/ft²)

Total Recommended Dry Film

Thickness 10 – 12 mils

Note: Two coats @ 5-6 mils per coat are recommended to assure a uniform pinhole free film

SURFACE PREPARATION

All surfaces must be cured, clean, sound, dry and free of all dirt, dust, efflorescence, wax, oil, grease, chalk and any other contamination that would interfere with new coating adhesion. Bare surfaces must be properly prepared and primed prior to application of this product.

Masonry Surfaces-Poured Concrete, Concrete Block: New concrete and mortar should cure for a minimum of 30 days at 72° F (22° C) prior to coating application. Level all surface projections and mortar spatters by stoning. Rake mortar joints clean and remove all soluble salts.

- Excessive chalk, loose mortar and/or sandy stucco should be removed by power washing.

Stucco: Remove any loose stucco, efflorescence or laitance. New stucco should be allowed to cure for 30 days before coating.

Previously Painted Surfaces

- Power or hand washing is recommended to remove contamination. If oil or grease is present, use of a cleaner/degreaser is required. All cleaning residue must be completely rinsed from the surface. Allow to dry.
- Remove all loose coatings and corrosion by scraping, sanding or other abrading method. Dull glossy, slick and/or non-porous surfaces with sandpaper.
- Patch and fill areas as needed. Spot prime bare areas with MC-0521.
- Cracks: Cracks must be treated as described above. Major masonry or stucco repair should be performed by a qualified contractor. All repairs must meet the pH and curing requirements as stated above.

Mildew

Remove by using a solution of one (1) part household bleach to three (3) parts water. Apply to mildewed area and scrub. Allow solution to remain on the surface for 3 to 5 minutes then rinse completely and allow to dry before coating application.

APPLICATION

- Intermix tinted containers to ensure color uniformity of all material. An electric power mixer is recommended to insure thorough mixing.
- Equipment must be clean prior to start. Flush airless lines with clean water.
- Apply by brush, roller or spray. A good quality synthetic brush will make application easier. Select a roller cover suited for the texture of the surface to be coated; ¾" nap for smooth surface and 1 ¼" for split or porous block is recommended. Airless tip sizes of .025 to .031 are recommended.
- Apply the product in full even coats and maintain a wet edge. Porous surfaces will require spray and back roll application, followed by a full spray coat. Allow to dry a minimum of four (4) hours before recoating.
- Do not thin.

ENVIRONMENTAL VARIABLES

Protect product from freezing prior to and during application. Minimum surface and air temperature required for application is 50° F (10° C) and at least 5° F (3° C) above the dew point. Curing is affected by temperature, humidity and air movement. The minimums must be maintained for at least eight (8) hours in order to achieve proper film formation. Application at elevated temperatures, wind conditions, and/or low humidity may require special application procedures to achieve proper film formation.

CLEAN-UP

Clean up spills immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment.

CAUTIONS

Do not apply below 50° F
Not intended for use on floors
Do not take internally
Use with adequate ventilation
KEEP OUT OF REACH OF CHILDREN

*WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the national Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Limited Warranty

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel Paints does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel Paint's liability will under no circumstances exceed replacement of the product.