



Heavy Duty Protective Coatings

BF-1501

Permafil

High Performance Acrylic Block Filler



## Technical Data

### PRODUCT DESCRIPTION

A 100% acrylic, interior/exterior high performance block filler used to fill and seal porous concrete block. Permafil will resist "re-wetting" and softening in damp conditions. Low Odor. V.O.C. compliant.

### INTENDED USES

Ideal for commercial, chemical and food processing industries. When topcoated with the recommended topcoat, Permafil can also be used in car washes, showers and other heavy service areas that are frequently exposed to damp or wet conditions. NOT INTENDED FOR IMMERSION SERVICE.

### PHYSICAL PROPERTIES

Color	White
Finish/Sheen	0 - 5 @ 85°
Resin Type	Acrylic Latex
Clean-up Solvent	Water
Solids By Weight	63%
Solids by Volume	49%
Theoretical Coverage**	785 ft <sup>2</sup> /gal @ 1 mil
Dry Film Thickness / Coat	5 - 15 mils (125 - 375 microns)
Wet Film to Achieve DFT	11 - 31 mils (275 - 775 microns)
Coverage at DFT**	52 - 157 ft <sup>2</sup> /gal @ 5 - 15 mils DFT
VOC's	.77 lb./gal. (92 grams/liter)
Thinning	DO NOT THIN

Drying Time\* (hours) [ASTM D 1640]     At 70°F (21°C)  
 Set to Touch - 2 hours  
 Recoat Time - 4 hours

\* Dry times vary with surface temperature, air movement, humidity and film thickness.

\*\* Coverage rates are estimates based on the 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.

### RECOMMENDED SYSTEMS

Permafil/MC-Series Permaflex/MC-Series Permaflex  
 Permafil/V-Cote 131 Waterborne Acrylic Epoxy (MC-Series)  
 Permafil/Mult-E-Poxy 180 Epoxy Mastic  
 Permafil/Mult-E-Poxy 180/Pinnacle 330HS Polyurethane

### 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 prior to application of this product.

#### Masonry Surfaces:

Concrete block

New concrete must 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.

**SURFACE PREPARATION** (continued)

**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. Use BF-1501 to fill exposed, rough surface area. Patch cracks and surface imperfections; sand and wipe clean.

**Mildew:**

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

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**APPLICATION**

Stir material prior to application. Intermit tinted containers to ensure color uniformity of all material. 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.

**Brush or Roller:**

Apply product in full even coats. Maintain a wet edge. Allow the product to dry before topcoating (See the drying times chart for recoat period). A good quality synthetic brush will make application easier. Select a roller cover suited for the texture of the surface to be coated.

**Airless Spray:**

Flush airless lines with water. Equipment must be clean prior to start. Remove gun and pump filters to allow material to flow properly. Apply a wet coat in even, parallel passes with 50% overlap to avoid bare areas. Recommended airless spray pump size of one gallon per minute as a minimum. Back roll after spraying.

<i>Tip Orifice</i>	<i>Atomizing Pressure</i>	<i>Mat'l Hose ID</i>	<i>Manifold Filter</i>
0.031" to 0.035"	2800 - 3000 psi	1/4" - 3/8"	None

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**SAFETY PRECAUTIONS**

Paint Products contain chemical ingredients which are considered hazardous. Prior to use, read container label warnings and the current Material Safety Data Sheet for important health and safety information. Insure these instructions are practiced during product application and cure. **Keep out of the reach of children.**

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**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. **All technical information is subject to change without notice.**