



Heavy Duty Protective Coatings

MC-1234/MF-0225

V-Cote 100

Acrylic Epoxy Block Filler



## Technical Data

### PRODUCT DESCRIPTION

A two-component, interior/exterior high performance epoxy block filler used to fill and seal porous concrete block. Its water-based formulation makes this product low odor and easy to clean-up. V.O.C. compliant.

### INTENDED USES

Formulated for use as an interior/exterior block filler. Ideal for commercial, chemical and food processing industries. Also for use in car washes, showers and other heavy service areas that are frequently exposed to damp or wet conditions when top coated with recommended topcoat. NOT INTENDED FOR IMMERSION SERVICE.

### PHYSICAL PROPERTIES

<b>Color</b>	White
<b>Finish/Sheen</b>	Flat
<b>Bases (Part A)</b>	MC-1234
<b>Cure (Part B)</b>	MF-0225
<b>Resin Type</b>	Acrylic Latex Epoxy
<b>Clean-up Solvent</b>	Water
<b>Solids By Weight</b>	63%
<b>Solids by Volume</b>	47%
<b>Theoretical Coverage**</b>	754 ft <sup>2</sup> /gal @ 1 mil
<b>Dry Film Thickness / Coat</b>	5 - 15 mils (125 - 375 microns)
<b>Wet Film to Achieve DFT</b>	11 - 33 mils (275 - 825 microns)
<b>Coverage at DFT**</b>	50 - 149 ft <sup>2</sup> /gal @ 5 - 15 mils DFT
<b>VOC's</b>	1 lb./gal. (116 grams/liter)
<b>Induction time</b>	30 minutes
<b>Mixing ratio (by volume)</b>	4 parts resin to 1 part cure. Product packaged in pre-measured kits.
<b>Thinning</b>	DO NOT THIN
<b>Pot life</b>	24 hours
<b>Drying Time* (hours) [ASTM D 1640]</b>	<u>At 70°F (21°C)</u> Set to Touch - 3 hours Recoat Time - 6 hours Full Cure - 10 days

\* 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.

### PERFORMANCE

Performance criteria meet or exceed Master Painters Institute (MPI) # 116 approval standards.

### RECOMMENDED SYSTEMS

V-Cote 100/V-Cote 131 Waterborne Acrylic Epoxy (MC-Series)  
V-Cote 100/Mult-E-Poxy 180 Epoxy Mastic  
V-Cote 100/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.

### **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**

Part A (resin) and part B (cure) are packaged in pre-measured kits. The mixing ratio is 4 parts A to 1 part B. Thoroughly mix Part B into Part A using an explosion-proof power drill and Jiffler mixer to disperse pigments. Wait 30 minutes before application. The material must be applied within the estimated pot life. For optimum application, air and surface temperatures should be from 50° to 90°F (10° to 32°C) and at least 5° F (3° C) above the dew point. Above 122°F (50°C), sagging may occur. A minimum surface temperature of 50°F (10°C) for eight (8) hours after application is recommended to achieve proper film formation.

### **Brush or Roller**

Apply product in full even coats. Maintain a wet edge. Allow the product to dry before top coating (See the drying times chart for re-coat 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>
0.021" to 0.035"	2800 - 3000 psi	1/4" - 3/8"	None

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## **PACKAGING**

<i>1-gallon kit</i>	<i>5 gallon kit</i>
Part A Resin - 1 Gallon (short filled) Part B Cure - 1 Quart (short filled)	Part A Resin - 5 Gallon (short filled) Part B Cure - 1 Gallon (full filled)

## **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.**

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Diamond Vogel Paint  
1110 Albany Place SE Orange City, IA 51041  
Phone 712.737.8880 Fax 712.737.4998  
marketing@diamondvogel.com www.diamondvogel.com