



**V-Cote 200**  
**Acrylic Maintenance Primer/Finish**  
 MC-SERIES

**HEAVY DUTY**  
**PROTECTIVE COATINGS**



**Technical Data**

**PRODUCT DESCRIPTION**

A versatile, 100% acrylic, industrial grade primer or finish coat. It has outstanding adhesion to a variety of surfaces and contains corrosion inhibitive materials to minimize the formation of rust, providing long term protection against corrosive attack. When used as a finish coat, MC-Series is non-yellowing with excellent durability, color retention and flexibility.

**INTENDED USES**

Formulated for use as a primer/finish coat on bare or previously painted interior and exterior structural steel, steel storage tanks, galvanized metal, wood, aluminum, and masonry surfaces.

**PHYSICAL PROPERTIES**

<b>Color</b>	White MC-1501, Gray MC-0501, Red MC-5500. Can be tinted to hundreds of colors using universal colorant.	
<b>Finish/Sheen</b>	Flat	
<b>Bases</b>	Deep Base MC-1503	
<b>Resin Type</b>	100% Acrylic Latex	
<b>Clean-up Solvent</b>	Water	
<b>Solids By Weight</b>	54%	
<b>Solids by Volume</b>	40%	
<b>Theoretical Coverage**</b>	641 ft <sup>2</sup> /gal @ 1 mil	
<b>Dry Film Thickness / Coat</b>	2.0 - 3.0 mils (50 - 75 microns)	
<b>Wet Film to Achieve DFT</b>	5.0 - 7.5 mils (125 - 187.5 microns)	
<b>Coverage at DFT**</b>	214 - 320 ft <sup>2</sup> /gal @ 2 - 3 mils DFT	
<b>VOC</b>	.75 lbs./gal. (90 grams/liter)	
<b>Thinning</b>	Not recommended	

<b>Drying Time*</b> (hours) At 70°F (21°C) [ASTM D1640] - 83 Reapproved 1989	<b>Set to Touch</b> ½ to 2 hours	<b>Recoat</b> 2 - 4 hours
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\* Dry times and dryfall performance vary with surface temperature, air temperature, air movement, humidity and film thickness. Hot surface temperatures can cause overspray to fuse to an adjacent substrate. Remove overspray from hot surfaces immediately!

\*\* 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 PRIMERS**

V-Cote 200 Acrylic Maintenance Primer/Finish (Self-priming),  
 PN-Series Fast Dry Alkyd Primer  
 PF-Series High Build Epoxy Primer  
 Mult-E-Poxy 180 Epoxy Mastic  
 AZ-Series Cote-All Universal Primer  
 BF-1501 Permafil Acrylic Block Filler  
 BF-1504 Fil-Cote Block Filler

**RECOMMENDED TOPCOATS**

V-Cote 222 Acrylic Maintenance Finishes (MC-Series)  
 V-Cote 131 Waterborne Acrylic Epoxy (MC-Series)  
 DE, DF and DS-Series Interior Latex Finishes  
 AZ and CS-Series Solvent Finishes (Interior use)  
 BA, BE, BF and BN-Series Exterior Latex Finishes  
 MH and MS-Series Nu-Cling Enamels

## **SURFACE PREPARATION**

All surfaces must be cured, clean, sound 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.

### **Wood Surfaces:**

Sand smooth any exposed wood surfaces. Patch nail holes and any imperfections with wood filler or putty and sand smooth. Remove sanding dust.

### **Ferrous Metal Surfaces:**

Abrasive blast new steel to SSPC-SP-6. Use proper abrasive to achieve an average of 1.5 to 2 mil profile. Blasted surfaces should be primed before flash rusting occurs. If blasting is not practical, remove loose rust and mill scale with hand or power abrading tools as per SSPC-SP-2 and SSPC-SP-3. Treat rust free, cold rolled steel with a metal cleaning and etching solution.

### **Masonry Surfaces:**

Poured concrete  
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. For a smooth surface on porous block, BF-1504 may be used prior to application of this product. For wet areas or exterior applications, use BF-1501 Permafil.

### **New Galvanized & Aluminum Surfaces:**

Remove surface contamination or passivators by scrubbing with a cleaning & etching solution or blast per SSPC-SP-7 brush-off blast.

### **Weathered Galvanized & Aluminum Surfaces:**

Power or hand wash with detergent and rinse thoroughly. The surface must be dull and have a profile; use a cleaning & etching solution if needed or blast per SSPC-SP-7 brush-off blast.

### **Previously Painted Metal 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, rust and corrosion by scraping, sanding or other abrading method as per SSPC-SP-2 and SSPC-SP-3, or abrasive blast according to SSPC-SP-6 commercial blast. Use sandpaper to dull slick, glossy and/or non-porous surfaces with sandpaper.

### **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.

## **APPLICATION**

Stir material prior to application. Intermix 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. When V-Coat 200 is used as a rust-inhibitive primer on blasted or pitted steel, sufficient material must be applied to completely cover surface profile. Abrasive blasted steel with blast profile of 1.5 - 2.0 mils, should have a minimum of 2 coats of primer at 2 - 3 mils per coat.

### **Brush or Roller:**

A good quality synthetic brush will make application easier. Select a roller cover suited for the texture of the surface to be coated. Apply product in full even coats. Maintain a wet edge. To insure adequate film build, two coats are recommended when applying by brush or roller (see the drying times chart for recoat period).

### **Airless Spray:**

Flush airless lines with water. Equipment must be clean prior to start. Thin only as needed for workability. Apply the product in even coats and maintain a wet edge. Use multiple passes to achieve film build. Allow the product to dry between coats.

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.015" to 0.019"	2800 - 3000 PSI	1/4" - 3/8"	60 mesh

## **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.

## **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.