



Product Data Sheet

PRODUCT DESCRIPTION

V-Cote 131 is a premium quality, low odor, two component epoxy formulated as a high performance finish coat. V-Cote 131 will produce a glaze type finish which will be extremely durable to repetitive washing and abrasion resistance.

TYPICAL USES

Formulated for use on residential and commercial interior or exterior walls, equipment, structural and miscellaneous steel. The low odor makes V-Cote 131 an ideal product for schools, hospitals, institutions, laboratories and food and beverage manufacturing facilities. **Not recommended for immersion service.**

BASES & COLORS-tintable with ACS Colorant

MC-1221 White Base	0-4 oz/gal
MC-1222 Midtone Base	2-6 oz/gal
MC-1223 Deep Base	4-10 oz/gal
MC-0224 Neutral Base	4-14 oz/gal

PHYSICAL PROPERTIES(MS-1530)

Resin Type	Acrylic Latex Epoxy
Clean-up Solvent	Water

Part B	MF-0220	MF-0225
Finish	55-65 @ 60°	25-30 @ 60°
Solids by Weight	46 %	53 %
Solids by Volume	35 %	38 %
Rec. Dry Film Thickness per Coat	2 – 2.5 mils	2 – 2.5 mils
Wet Film to Achieve DFT	6 – 7 mils	5.5 – 6.5 mils
Theoretical Coverage @ 1 mil	561 ft ² /gallon	609 ft ² /gallon
Spread Rates ¹ @ Rec. DFT	224-280 ft ² /gallon	243-304 ft ² /gallon
VOC's (Ranges from 122 to 146 depending on base and activator used)	135 g/L	122 g/L

APPLICATION PARAMETERS @ 72° F (22° C) & 50% R.H.²

Induction Time	30 minutes
Pot Life	24 hours
Touch	30 minutes
Recoat	4 hours

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

Ferrous Metal

- 1 ct AZ-Series Cote-All Universal Primer
- or
- 1 ct Mult-E-Poxy 180
- or
- V-Tech 500 Hi-Build Epoxy Primer
- or
- 1 ct V-Cote 200 Acrylic Maintenance Primer
- 2 cts V-Cote 131 Acrylic Epoxy

Galvanized & Aluminum Metal

- 1 ct V-Cote 200 Acrylic Maintenance Primer
- 2 cts V-Cote 131 Acrylic Epoxy

Interior Wood

- 1 ct DU-1508 Latex Enamel Undercoat
- or
- 1 ct CU-1401 Alkyd Enamel Undercoat
- 2 cts V-Cote 131 Acrylic Epoxy

Interior Concrete Block (wet environment)

- 1 ct BF-1501 Permafil Block Filler
- or
- 1 ct V-Cote 100 Acrylic Epoxy Block Filler
- 2 cts V-Cote 131 Acrylic Epoxy

Interior Concrete Block (dry environment)

- Self Priming
- or
- 1 ct BF-Series Block Filler
- 2 cts V-Cote 131 Acrylic Epoxy

Exterior Wood

- 1 ct BU-Series Acrylic Primer
- 2 cts V-Cote 131 Acrylic Epoxy

Exterior Concrete Block

- Self Priming
- or
- 1 ct BF-Series Exterior Block Filler
- 2 cts V-Cote 131 Acrylic Epoxy

Poured Concrete

- Self Priming
- or
- 1 ct BU-Acrylic Primer
- 2 cts V-Cote 131 Acrylic Epoxy

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

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.

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.

Plaster Surfaces: New Plaster must cure for a *minimum* of 30 days at 72° F (22° C) prior to coating application. Sand smooth and remove dust. Fill cracks with spackling compound, allow to dry and sand smooth, removing sanding dust.

Ferrous Metal: Remove loose rust and mill scale with hand or power abrading tools (reference SSPC-SP2 or SSPC-SP-3)

New Galvanized/Aluminum Surfaces: Solvent wipe to remove surface contamination, then use an etching solution or abrade the surface by sanding.

Aged Galvanized/Aluminum Surfaces: Power or hand wash with detergent and rinse thoroughly. The surface must be dull and slightly rough: use an etching solution or sand if needed.

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 appropriate primer.

Mildew

Remove by using a solution of one (1) part household bleach and 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. Do not add detergents or ammonia to the bleach/water solution.

APPLICATION

- Stir individual components prior to mixing.
- Equipment must be clean prior to start. Flush airless lines with clean water.
- Product is measured in pre-measured kits of Part A Epoxy and Part B Activator. The mixing ratio is 4:1.
- Part B is chosen relative to gloss desired: MF-0220 for high gloss and MF-0225 for semi-gloss.
- Thoroughly mix Part B into Part A and wait 30 minutes prior to application. Once intermixed, the material must be applied within the estimated pot life.
- 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. Airless tip sizes of .015 to .017 are recommended.
- Apply the product in full even coats and maintain a wet edge. Two coats are recommended for maximum performance and durability.
- Allow the product to dry between coats.
- 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

Not intended for use on floors
Protect from freezing
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.