

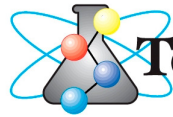


LF-0255 Resin Pt A  
LM-0235 Cure Pt B  
LM-0236 Zinc Dust Pt C

# V-Tech 768

## 3K Organic Zinc Rich Epoxy Primer

Heavy Duty Protective Coatings



### Technical Data

**PRODUCT DESCRIPTION**

A three component, organic zinc rich epoxy primer providing outstanding galvanic corrosion protection. Specifically formulated for severe industrial environments. Excellent Resistance to chemicals and severe weathering. VOC compliant.

**INTENDED USES**

Formulated for use as a shop primer on structural steel, steel tanks, pipes and equipment. Ideal as a premium, field applied maintenance primer over abrasive blasted steel. May also be used for touch up and repair of galvanizing or inorganic zinc coatings.

**PHYSICAL PROPERTIES**

Color	Reddish Gray
Finish/Sheen	Flat
Resin Type	3 Component Epoxy
Clean-up Solvents	Diamond Vogel N-4003 MIBK
Reduction Solvent	Diamond Vogel N-4003 MIBK
Solids by Weight	90%
Solids by Volume	64%
% of Zinc at DFT	79%
Theoretical Coverage***	1044 ft <sup>2</sup> / gal @ 1 mil
Dry Film Thickness / Coat	2 - 3.5 mils (62.5 -87.5 microns)
Wet Film to Achieve DFT	4 - 5.5 mils (100-137.5 microns)
Coverage at DFT**	298 - 418ft <sup>2</sup> /GAL @ 2 - 3.5 mils DFT
VOC's	2.55 lbs./ gal. (306 grams/liter)
Thinning	Thin only as needed, up to 5% Diamond Vogel N-4003 MIBK per gallon
Pot Life**	16 hours
Drying Time* (hours)	<u>At 70°F (21°C)</u> Dry to Through 9 hours

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

\*\* Extreme temperatures can dramatically shorten Pot life.

\*\*\*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.

**RECOAT/TOPCOAT**

Recoat Time*	Product	Minimum Recoat	Maximum Recoat
[At 70°F (21°C)]	V-Tech 768/ Mult-E-Poxy 180	over night	2 months
	V-Tech 768/ Pinnacle 330HS	over night	2 months
	V-Tech 768 / V-Tech 500	over night	2 months
	V-Tech 768 / V-Cote 200	over night	1 month
	V-Tech 768 / V-Cote 222	over night	3 months

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

**RECOMMENDED TOPCOATS**

- Multi-E-Poxy 180 Epoxy Mastic
- Pinnacle 330HS Polyurethane
- V-Tech 500 Hi-Build Epoxy Primer
- V-Cote 200 Acrylic Maintenance Primer / Finish (MC-Series)
- V-Cote 222 Acrylic Maintenance Finish (MC Series)

**TESTING** Slip-Co-Efficient and Creep Resistance Class A specification for structural joints using ASTM A325 or A490 Bolts.

SSPC Paint Specification 20 Type II, Level 2 for Zinc Dust Level Classification

**SURFACE PREPARATION** All surfaces must be cured, clean, sound, dry and free of all dirt, dust, 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.

**Ferrous Metal and 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. 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 primer before flash rusting occurs.

**APPLICATION** Stir material prior to application. Constant agitation is recommended to keep heavy zinc material in suspension. Minimum surface and air temperature required for application is 40° F (4° 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 (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.

**Conventional Spray:** Use standard industrial equipment such as Devilbliss or Binks. A mechanical pot agitator and separate regulators for air and fluid pressure are recommended. Changes in pressures, hose and tip size may be needed to adjust for proper spray characteristics.

**Airless Spray:** Flush airless lines with Diamond Vogel N-4003 MIBK. Equipment must be clean prior to start. Apply a wet even coat in even, parallel passes with 50% overlap to avoid bare areas.

<i>Tip Orifice</i>	<i>Atomizing Pressure</i>	<i>Mat'l Hose ID</i>	<i>Manifold Filter</i>
0.017" to 0.019"	2500-3000 psi	1/4" or 3/8"	None

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**PACKAGING**

Part A Resin	1 Gallon Can (.54 gal.)
Part B Cure	1 Quart Can (.2 gal.)
Powder	1 Gallon Box (.3 gal.)

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**SHIPPING WEIGHT**

Part A Resin	5.0 lbs.
Part B Cure	1.5 lbs.
Powder	15.44 lbs.

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**STORAGE & SHELF LIFE** Store in protected area maintained at 40 - 100°F (4 - 38°C), for up to two years from date of manufacture. Subject to inspection thereafter.

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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. "Material Safety Data Sheets" are available from your Diamond Vogel representative. **Keep out of the reach of children. NOT INTENDED FOR RESIDENTIAL USE.**

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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 circumstance exceed replacement of the product. All technical information is subject to change without notice.

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