

Product Data Sheet

PRODUCT DESCRIPTION

Zero Plus Interior Latex Enamel is perfect for commercial projects where minimizing impacts on indoor air quality is required. Zero Plus is a zero VOC formula that provides outstanding durability, touches-up easily and applies effortlessly. Zero Plus adds up to the perfect solution for demanding commercial work.

TYPICAL USES

Formulated for use on new and previously painted residential and commercial interior walls, ceilings, trim and doors. Designed as a finish coat for interior drywall, wood, plaster and masonry surfaces. Ideal for use in hospitals, nursing homes, schools, apartments and other areas where minimizing impacts on indoor air quality is important. Not specified for painting while room is occupied.

BASES & COLORS-tintable with ACS Colorant

DF-1665 Tintable White Base	0–6 oz/gal
DF-1663 Deep Base	3–10 oz/gal
DF-0664 Neutral Base	4–14 oz/gal

PHYSICAL PROPERTIES (DF-1665)

Resin Type	Vinyl Acrylic
Clean-up Solvent	Water
Finish	<5 @ 85°
Solids by Weight	53 %
Solids by Volume	34 %
Recommended Dry Film Thickness per Coat	1.5–2 mils
Wet Film to Achieve DFT	4.4–5.9 mils
Theoretical Coverage @ 1 mil	545 ft ² /gallon
Practical Coverage at Recommended DFT ¹	272–363 ft ² /gallon
<u>Dry Times</u> ² @ 70° F (21° C) and 50% R.H.	Touch 1–2 hours Recoat 6 hours
*VOCs	<50 grams/liter per 40 CFR 59.406

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

Drywall

- 1 ct Zero Plus Zero VOC Interior Primer
- or
- 1 ct Posi-Prime Interior Latex Primer
- 2 cts Zero Plus Zero VOC Interior Latex Flat

Plaster

- 1 ct Diamond Prime Universal Interior/Exterior Primer
- 2 cts Zero Plus Zero VOC Interior Latex Flat

Galvanized Metal:

- 1 ct Diamond Prime Universal Interior/Exterior Primer
- 2 cts Zero Plus Zero VOC Interior Latex Flat

Aluminum

- 1 ct Diamond Prime Universal Interior/Exterior Primer
- 2 cts Zero Plus Zero VOC Interior Latex Flat

Interior Wood

- 1 ct Mill Max Latex Enamel Undercoat
- 2 cts Zero Plus Zero VOC Interior Latex Flat

Smooth Block

- 1 ct Diamond Prime Universal Interior/Exterior Primer
- 2 cts Zero Plus Zero VOC Interior Latex Flat

Porous Block

- 1 ct Uni-Fill Acrylic Block Filler
- 2 cts Zero Plus Zero VOC Interior Latex Flat

This data sheet provides general recommendations and not intended to limit the use of this product. Test areas are always recommended to confirm results. For more detailed recommendations, please contact your local Diamond Vogel Sales Representative.

This product meets or exceeds the following qualifications:
LEED NC 2009, OTC, CARB, SCAQMD

The addition of colorants which contain greater than 10g/L VOC may increase the final VOC of a tinted paint

* Zero Plus is designated zero VOC (volatile organic compounds) based on EPA Method 24. All Zero VOC paints emit chemicals. This paint emits chemicals during and for approximately two weeks after painting, but at much lower levels than conventional latex paints. Sensitive groups should minimize exposure during painting and for 24 hours after. "Zero VOC" does not mean "asthma/allergy friendly."

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 dust. Fill cracks with spackling compound, allow to dry and sand smooth. Remove sanding dust.

Drywall Surfaces Fill nail holes and imperfections with spackling compound and allow to dry. Sand tape joints and spackled areas and remove dust. New drywall should be primed with an appropriate primer or used as self-priming.

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

Weathered 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

- Cleaning 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 ammonia to the bleach/water solution.

APPLICATION

- Stir material prior to application. Intermit tinted containers to ensure color uniformity of all material.
- Equipment must be clean prior to start. Flush airless lines with clean water.
- 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. 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.

Coating must be fully cured before attempting to wash the surface. Curing is temperature and humidity sensitive, ranging from 14 to 28 days.

CAUTIONS

For interior use only
Not intended for use on floors
Do not apply below 50° F.
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 does not control the application of its products, or the condition of the surfaces to which they are applied, Diamond Vogel's liability will under no circumstances exceed replacement of the product.