



Product Data Sheet

PRODUCT DESCRIPTION

Diamond Prime is a premium quality universal 100% acrylic primer. Diamond Prime promotes adhesion to a wide variety of interior and exterior surfaces. Diamond Prime is formulated with stain blocking pigments to provide resistance to bleed-through from solvent-sensitive stains as well as tannin and other water sensitive stains.

TYPICAL USES

Diamond Prime is designed to promote adhesion on Gloss Alkyd, Vinyl Siding, Fiberglass, Ceramic Tile, Galvanized Steel, Aluminum, New or Weathered - Int. or Ext Wood, Drywall, cured Plaster, Masonry and many more substrates.

BASES & COLORS (tintable with ACS colorant)

MU-1501 White 0-4 oz/gal

PHYSICAL PROPERTIES (MU-1501)

Resin Type	100% Acrylic Latex
Clean-up Solvent	Water
Finish	5 – 10 @ 85° / >5 @ 60°
Solids by Weight	53 %
Solids by Volume	38 %

Recommended Dry Film Thickness per Coat	1.5 – 2 mils
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Wet Film to Achieve DFT	4 – 5.5 mils
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Theoretical Coverage @ 1 mil	610 ft ² /gallon
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Practical Coverage at Recommended DFT ¹	305 – 407 ft ² /gallon
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<u>Dry Times</u> ² @ 70° F (21° C) and 50% R.H.	Touch ½ to 2 hours Recoat 2 to 4 hours ³
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VOC's	95 grams/liter
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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.

³ For the best results when using as a stain blocker, allow 24 hours between coats: two (2) full coats may be required for optimum performance.

SPECIFICATIONS

Galvanized (Interior or Exterior)

1 ct MU-Series Diamond Prime
2 cts Interior or Exterior Finishes*

Interior or Exterior Wood

1 ct MU-Series Diamond Prime
(two coats may be necessary)
2 cts Interior or Exterior Finishes*

Aluminum (Interior or Exterior)

1 ct MU-Series Diamond Prime
2 cts Interior or Exterior Finishes*

Block (smooth) (Interior or Exterior)

1 ct MU-Series Diamond Prime
2 cts Interior or Exterior Finishes*

Poured Concrete (Interior or Exterior)

1 ct MU-Series Diamond Prime
2 cts Interior or Exterior Finishes*

Cement Siding (unprimed)

1 ct MU-Series Diamond Prime
2 cts B-Series Exterior Latex Finish

Vinyl Siding

1 ct MU-Series Diamond Prime
2 cts B-Series Exterior Latex Finish

Drywall

1 ct MU-Series Diamond Prime
2 cts Interior Finishes*

Plaster

1 ct MU-Series Diamond Prime
2 cts Interior Finishes*

*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 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: Patch nail holes, cracks and imperfections with exterior spackling compound. Sand and wipe clean. Woods subject to tannin bleeding should be primed with a stain blocking primer.

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.

Vinyl Surfaces: Power or hand wash with detergent and rinse thoroughly. All chalk residue must be removed from the surface.

Cement Board: Be sure surface is clean and free of all contaminants.

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, deteriorated wood fibres 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 bleach/water solution.

APPLICATION

- Stir material prior to application. Intermix tinted containers to ensure color uniformity of all material.
- Equipment must be clean prior to start. Flush airless lines with mineral spirits.
- 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. For best results when using as a stain blocker, allow 24 hours between coats; two (2) coats may be required for optimum performance.
- 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

Protect from freezing
Do not apply below 50° F
Not intended for use on floors
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.