Luminance 300
Latex Dri-Mist Flat Brite White

HIGH PERFORMANCE **TECHNICAL DATA**

Product Description

Luminance 300 Latex Dri-Mist Brite White is a fast-drying, flat finish formulated to be applied to interior steel, galvanized metal, and masonry surfaces where the overspray or "fall out" must be dry before reaching the floor. It protects against flash rusting.

Intended Uses

Apply to:

- Interior surfaces
- Galvanized metal
- Previously coated surfaces
- Masonry ceilings (interior)
- Primed ferrous metal
- Aluminum
- Composites
- Pre-Stressed masonry (interior)
- Metal decking
- Structural or support steel

Protects:

- Bar joists

The above are general recommendations and not intended to limit the use of Luminance 300 Dri-Mist Latex Flat. Test areas are always recommended to confirm results.

NOT INTENDED FOR IMMERSION SERVICE.

Physical Properties

Resin Type	Vinyl Acrylic
Finish/Sheen	Flat, 0–10 @ 85°
Colors	Brite White MV-1519
Bases	Tintable in ACS Colorant to light pastel colors – up to 2 oz/gal
Light Reflectance	92% (white)
Solids by Weight	51% +/- 2%
Solids by Volume	30% +/- 2%
Theoretical Coverage*	491.18 ft^2/gal @ 1 mil
Dry Film Thickness / Coat	2.0–3.0 mils (50–75 microns)
Wet Film to Achieve DFT	6.5–9.0 mils (162–225 microns)
Coverage at DFT*	196–245 ft^2/gal
VOCs	<0.42 lbs./gal (<50 grams/liter)
Thinning	DO NOT THIN
Clean-up Solvents	Water
Drying Time**	**Minimum Fall:** 10 feet and minimum temperature of 70°F (21°C) and 50% Relative Humidity are required for optimum dry fall characteristics. **Set to Touch:** 30 minutes at 70°F (21°C) and 50% Relative Humidity **Recoat:** 1 hour at 70°F (21°C) and 50% Relative Humidity

* 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.

** Dry times vary with surface 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!

Qualifications

Performance criteria meet or exceed Master Painters Institute (MPI) #118 and #133 approval standards.

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Surface Preparation

All surfaces must be 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. See "System Selector" for appropriate primer to use depending on the substrate.
Ferrous Metal Surfaces: Abrasive blast new steel to SSPC-SP-6, Commercial Blast Cleaning. Use proper abrasive to achieve an average of 1.5 to 2.0 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, Hand Tool Cleaning and SSPC-SP-3, Power Tool Cleaning.
New Galvanized & Aluminum Surfaces: Remove surface contamination or passivators by scrubbing with a cleaning and etching solution or blast per SSPC-SP-7, Brush-Off Blast Cleaning.
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 and etching solution if needed or blast per SSPC-SP-7, Brush-Off Blast Cleaning.
Previously Painted Metal Surfaces: Remove dirt and dust. 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, Hand Tool Cleaning and SSPC-SP-3, Power Tool Cleaning. Use sandpaper to dull slick, glossy and/or non-porous surfaces with sandpaper. Spot prime bare and rusted areas.
Masonry Surfaces: (Interior) New concrete must cure for a minimum of 30 days at 72°F (22°C) prior to coating application. Removal of loose mortar, laitance, concrete dust, dirt, form release agents, curing agents and hardeners prior to application is required. Fill voids or bug holes with appropriate materials suited for this application. Luminance 300 is self-priming on masonry surfaces; however, see "System Selector" for additional recommendations.
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. Minimum surface and air temperature required for application is 50°F (10°C) and at least 5°F (3°C) above the dew point. A minimum fall of 10 feet and minimum temperature of 70°F (21°C) is required for optimum dry fall characteristics. Lower fall height and temperatures may result in overspray adhering to the floor. Protect product from freezing prior to and during application. Temperature, humidity, and air movement affect curing. 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.
Dry fall characteristics are adversely affected at temperatures below 70°F or relative humidity above 50%.
Airless Spray: Flush airless lines with water. Equipment must be clean prior to start. 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. Not recommended for wet environments or areas exposed to high humidity.

Tip Orifice	Atomizing Pressure	Material Hose ID	Manifold Filter
0.015" to 0.017"	2800–3000 PSI	1/4" or 3/8"	60 mesh

Packaging Shipping Weight

Product		5 Gallon	Product		5 Gallon
Luminance 300 Brite White		5 Gallon Pail	MV-1519		60.1 lbs. (27.26 kg)

Safety Precautions

*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.

Paint products contain chemical ingredients, which are considered hazardous. Prior to use, read container label warnings and the current Safety Data Sheet for important health and safety information. Ensure these instructions are practiced during product application and cure. **Keep out of the reach of children.**

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Safety Data

"Safety Data Sheets" are available from your Diamond Vogel representative or the Diamond Vogel website at www.diamondvogel.com. Prior to use of this product, obtain and review the Safety Data Sheet for health and safety information. Read and observe all precautionary notices on container labels.

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. **All technical information is subject to change without notice.**

Additional Information

Cautions and Warnings information is located on the back panel of each product label.
For current information regarding VOC regulations for specific geographical regions, please contact your Diamond Vogel representative or email us at hp@diamondvogel.com.

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