

HIGH PERFORMANCE

TECHNICAL DATA

Product Description

Luminance 350 is a fast-dry, alkyd, semi-gloss, dri-mist finish formulated for application to interior steel surfaces where the overspray or “fall out” must be dry before reaching the floor.

Intended Uses

Apply to:

- Interior surfaces
- Composites
- Previously coated surfaces
- Primed ferrous metal
- Aluminum

Protects:

- Metal decking
- Structural or support steel
- Bar joists

The above are general recommendations and not intended to limit the use of Luminance 350. Test areas are always recommended to confirm results.
NOT INTENDED FOR IMMERSION SERVICE.

Physical Properties

Resin Type	Modified Alkyd
Finish/Sheen	Semi-Gloss, 10–15 @ 60°
Colors	White LB-1620
Bases	White LB-1620 – shaded to light pastel colors Tintable in “ACS”
Light Reflectance	82% (white)
Solids by Weight	67%
Solids by Volume	46%
Theoretical Coverage*	735 ft ² /gal @ 1 mil
Dry Film Thickness / Coat	2.0–3.0 mils (50–75 microns)
Wet Film to Achieve DFT	4.5–6.5 mils (112.5–162.5 microns)
Coverage at DFT*	245–367 ft ² /gal
VOCs	2.8 lbs./gal (340 grams/liter)
Thinning	DO NOT THIN
Clean-up Solvents	Mineral Spirits
Drying Time**	Minimum Fall: 10 feet Set to Touch: 30 minutes at 70°F (21°C) and 50% Relative Humidity Recoat: 2–4 hour at 70°F (21°C) and 50% Relative Humidity
ASTM D1640 - 83 Reapproved 1989	

* 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.

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.

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Surface Preparation (continued)

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.

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. While this product is not subject to freezing, temperature, humidity and air movement affect curing. Cold temperatures will greatly increase drying time. 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 (21°C) or above 50% relative humidity.

Airless Spray: Flush airless lines with Diamond Vogel N3023 Xylol. 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. One coat is usually sufficient however, if more than one coat is needed, allow 2 to 4 hours before recoating.

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

Packaging

Shipping Weight

Product	5 Gallon	Product	5 Gallon
Luminance 350	5 Gallon Pail	Luminance 350	54.52 lbs. (24.73 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.**

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 Technical Service at Diamond Vogel Corporate Headquarters, (Contact information is located at the bottom of the page).