



Total Enamel™ TL-1435

Alkyd enamel high gloss interior/ exterior

Description:

Total Enamel™ is a high-gloss, multi-purpose alkyd resin finish enamel, prepared in pre-mixed colors for a uniform finish.

Meets Requirements for:

MPI:	N/A
Green Performance 1:	N/A
Green Performance 2:	N/A
VOC Compliant (<500g/L):	No
SCAQMD:	N/A
AIM & OTC:	N/A

Product Advantages:

- Good coverage and color retention.
- UV resistant.
- Non-yellowing.
- Easy to apply.
- Strong and durable.
- Bright, uniform gloss finish.
- Contains no heavy metals or lead.

Colors:

- White TL1435 • Bone White TL1439
- Black TL1449 • Hunter Green TL14444
- Red TL1436 • Titanium Yellow TL1437
- Palm Green TL1442 • Blue Thunder TL1438
- Blue Horizon TL1443 • Mahogany TL1440
- Paradise Green TL1441

Uses:

Total Enamel™ is ideal for use on properly prepared surfaces in residential environments and on surfaces where an alkyd enamel is required. It can be applied with brush, roller, or spray gun, in any area for maintenance purposes. Suitable for wood, metal, concrete, or new or previously painted brick.

Technical Data:

Product Type:	Alkyd Resin
Finish:	Gloss (80° - 100°) *Geometry 60°
Solids (%):	31 ± 2% by weight 21 ± 2% by volume
Weight/Gallon:	8.95 ± 0.05 lbs. (4.06 ± 0.02 kg.)
Drying Time:	To touch: 2 - 4 hrs. To recoat: 8 - 12 hrs.
Coverage:	
Theoretical:	Up to 338 ft. ² per gallon @ 1 mil
Recommended:	230-280 ft. ² /gal. (22-26 m ² /gal.) @ 1.3 dry mils, 6 wet mils
Sizes:	1 gallon 1 quart
Thinning:	Is not recommended.
Flash Point:	104 °F TOC
Viscosity:	85 - 95 KU
Percent Pigment by Weight:	13 ± 2%
VOC:	<500 g/L

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

F.D.S.: Available upon request.

Surface Preparation:

All surfaces must be dry, clean, sound and free of contaminants. Remove all dirt, grease, chalk, mildew, oil, rust, concrete curing agents, dust, and other soluble contaminants from steel surfaces by washing with solvent, vapor, cleaning compound or other method. Remove all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by hand chipping, scraping, sanding, and wire brushing or by power wire brushing, power sanding, power grinding, power tool chipping, and power tool descaling. Use a Lanco® base, if necessary according to the recommended specifications of this product for surfaces such as: concrete, plasters, gypsum wallboard, drywall, wood, plywood, steel, aluminum, galvanized steel, other composition materials or vinyl siding, following the application instructions. Glossy surfaces should be lightly sanded and primed previous to new paint application.

Recommended Paint Systems:**Iron and steel:**

Surface preparation: SSPC-SP2 / SP3
Primer, apply 1 coat : Oil-Red Oxide Primer
Paint, apply 2 coats: Total Enamel™

Galvanized metal and aluminum:

Surface preparation: SSPC-SP1
Primer, apply 1 coat : Oil-Red Oxide Primer
Paint, apply 2 coats: Total Enamel™

Masonry and concrete:

Surface preparation: SSPC-SP13
Primer, apply 1 coat : Stain Killer™ Primer
Paint, apply 2 coats: Total Enamel™

Wood:

Surface preparation: Dry and Clean
Primer, apply 1 coat : Stain Killer™ Primer
Paint, apply 2 coats: Total Enamel™

Surface Preparation Standards:

SSPC-SP1 Solvent cleaning: Removal of all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants from steel surfaces with solvent Lanco® Lacquer Thinner LT-102, vapor cleaning, alkali, emulsifying agent, or steam.

SSPC-SP2 Hand tool cleaning: Removes all loose mill scale, loose rust, loose paint, and other loose foreign matter by hand chipping, scraping, sanding, and wire brushing.

SSPC-SP3 Power tool cleaning: Removes all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by power wire brushing, power sanding, power grinding, power tool chipping, and power tool descaling.

SSPC-SP7 / Brush-Off Blast Cleaning:

The surface must be free of oil, grease, dirt, dust, loose mill scale, loose rust, and loose coatings. Tightly adhering mill scale, rust, and coating may remain. Mill scale, rust, and coatings are considered tightly adhered if they cannot be removed by a dull putty knife.

SSPC-SP13/ NACE 6 Surface Preparation of Concrete:

Provides requirements for the preparation of concrete surfaces using thermal, mechanical, or chemical methods before application of protective coating systems.

Surface Application Recommendations:

Previously painted surfaces: Clean surface of all loose, peeling paint and foreign material; spot prime bare metal areas. If the paint is old, peeling or badly weathered, hand tool clean (SSPC-SP2) or power tool clean (SSPC-SP3). Glossy or smooth surfaces should be sanded. If poor adhesion of existing coatings is noted or coating is loosed by blistering, rupture or scratching, additional abrasion or removal methods necessary to provide a clean and sound surface.

New iron and steel metals: Clean surface of all loose rust, grease, oil, and foreign material; spot prime bare metal. If the paint is old, peeling or badly weathered, hand tool clean (SSPC-SP2) or power tool clean (SSPC-SP3).

New galvanized metal: Expose to weather for at least six months before coating. Clean with solvent per SSPC-SP1, then apply primer as necessary. When weathering is not possible, clean with solvent SSPC-SP1 and apply a test patch. Apply primer as needed. Allow to dry one week before adhesion test. If adhesion is poor, abrasive blasting is recommended. Remove white rust by SSPC-SP7. Water-soluble contaminants should be rinsed with water.

New aluminum: New surfaces must be free of oils and lubricants commonly used in manufacturing and machining aluminum. Use SSPC-SP1 solvent cleaning with Lanco® Lacquer Thinner LT-102 to clean and remove any material that may affect paint performance. This can also be achieved by weathering exterior products for one to six weeks before

priming. The surface must be clean and free of contaminants. If detergent is used, ensure it is thoroughly rinsed and dry before painting. If a thin film of rust is present, remove by SSPC-SP2 or SSPC-SP3. Use only with adequate ventilation.

Method of Application:

Stir thoroughly before using. Do not apply when surface or air temperature is below 50 °F or if rain is expected within 5 hours. Apply product with brush, roller or sprayer. Apply generously with a full brush or roller and avoid excessive brushing or spreading too thinly. Typical standard practice recommends intermixing when working with more than one container of the same color, to ensure color consistency.

Mixing and thinning: Mix always thoroughly before application. Thinning is not recommended, if necessary use only 8oz. of Lanco® Mineral Spirits MS-107 per gallon.

Brush: Use a 3/8" solvent resistant PA-1982 or polyester brush PA-1999.

Roller: Use a Lanco® All-Purpose 1/4" or 3/8" Enamel Roller PA-565 or PA-566. Apply generously, but avoid excessive brushing or reworking of painted areas, do not apply or spread too thinly.

Spray: The equipment must be capable of maintaining a pressure of 700-1000 psi with a tip of 0.015 to 0.019. Spray and reapply on rough or porous surfaces to achieve required film formation. Apply two layers, it is recommended to dry one night between layers to minimize pinholes. See equipment manufacturer's recommendations.

Conventional spray: For suction feed, use a DeVilbiss MBC gun with an "E" tip and needle and 30 air cap or equivalent, at 40-45 psi atomizing pressure. For pressure feed, use a DeVilbiss MBC gun with an "E" tip and needle and 704 air cap or equivalent at 40-45 psi and 5-8 fluid pressure, 3/8" ID material hose, double-regulated pressure tank with oil and moisture separator. Apply two coats with overnight drying between coats to minimize pinholes on the surface is recommended. See equipment's manufacturer recommendation.

Airless spray: Minimum of 28:1 ratio pump, with a 0.013"- 0.015" tip, 1/4" ID Teflon material hose. Apply two coats with overnight drying between coats to minimize pinholes on the surface is recommended. See equipment's manufacturer recommendation.

Precaution: Do not apply when air or surface temperature is below 50 °F (10 °C). Apply liberally, but do not overspread. Stop painting at least two hours before you expect dew to form or the temperature to fall below 50 °F (10 °C).

Important: It is important that you apply one coat of primer and two full coats of paint to achieve the warranty protection.

Limited warranty: The manufacturers liability in connection with the sale of this product extends only to the replacement price if it should fail to comply with quality standards or specifications.

Safety precautions: Refer to F.D.S. sheet before use.

Warning!: If you scrape, sand, or remove old paint, you may release lead dust. Lead is toxic. Wear a NIOSH-approved respirator to control lead exposure. 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. For chemical emergency call ChemTrec 1-800-424-9300. Protect from freezing.