Ultra Durex™ DE-3320

Int/Ext Acrylic Waterborne DTM High Gloss Enamel

Description

Ultra Durex™ is a Waterborne Acrylic Resin enamel modified with Styrene and anticorrosive pigments of premium quality. Can be used over oil or latex paints. It has excellent adhesion and color retention properties. Designed specially to be used direct to metal, nterior or exterior. For use on metal.

Meets Requirements for

MPI:	N/A
Green Performance1:	N/A
Green Performance 2:	N/A
VOC Compliant (<100g/L):	YES
SCAQMD:	N/A
AIM & OTC:	N/A

Product Advantages

- Water base corrosion resistant
- Excellent color retention and Non-yellowing
- Excellent anchoring with no need for primers
- Chip and flake resistant
- Fast-drying
- UV and water resistant
- Good exterior durability and tough
- Odorless and non-flammable
- Heavy metal and lead free
- Impact and abrasion resistant

Performance:

Abrasion Resistance: ASTM D 4060	Yes
Corrosion Weathering ASTM D5894	Yes
Direct Impact Resistance: ASTM D2794	Yes

Uses

Ultra Durex™ is ideal for use over prepared substrates in industrial enviroments and surfaces where there is need of a durable and strong paint against rust, stain and dirt. May be applied with brush, roller or sprayer on any industrial, commercial or residential area, like equipments, pipes, steel supports, railings, storage tanks, metal fences, etc. For new or previously painted metal, wood, stucco, brick or concrete.

Technical Data

Product Type:	Modified Acrylic
Finish:	Gloss (60º - 100º) *Geometry 60º
Solids (%):	50 ± 2% by weight 38 ± 2% by volume
Weight/Gallon:	10.34 ± 0.05 lbs. (4.70 ± .02 kg.)
Colors:	White Black and tinting bases
Drying Time:	To touch: 12 - 15 min. To recoat: 2 - 4 hrs.
Coverage:	
Theorical:	Up to 601 sq./ft. per gallon @ 1 mil
Recommended:	410-450 sq.ft./gal. (38-42 sq.mt/gal.) @ 1.4 dry mils, 4 wet mils
Sizes:	5 gallons 1 gallon 1 quart
Thinning:	Is not recommended.
Flash Point:	Non-flammable
Viscosity:	85 - 90 Ku
Percent Pigment by Weight:	21 ± 2%
VOC:	<100 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, chalk, 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.
Prime if required as per recommended specifications of this product for surfaces like: concrete, plasters, gypsum wallboard, drywall, wood, plywood, steel, aluminum, galvanized steel, other composition materials or vinyl siding with the recommended Lanco® primer or primer/sealer, following 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: Ultra Durex™

Galvanized Metal and Aluminum:
Surface preparation: SSPC-SP1
Paint, apply 2 coats: Ultra Durex™

Masonry and Concrete:
Surface preparation: SSPC-SP13
Primer, apply 1 coat : Stain Killer™ Primer
Paint, apply 2 coats: Ultra Durex™

Wood:
Surface preparation: Dry and Clean
Primer, apply 1 coat : Stain Killer™ Primer
Paint, apply 2 coats: Ultra Durex™

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 T
he surface shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose coating. Tightly adherent mill scale, rust, and coating may remain on the surface. Mill scale, rust, and coating are considered tightly adherent if they cannot be removed by lifting with a dull putty knife.

SSPC-SP13 / NACE 6 Surface Preparation of Concrete
Provides requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining 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, aditional abrasion or removal 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: Solvent clean as per SSPS-SP1 standard, then prime as required. When weathering is not possible, solvent clean as per SSPS-SP1 and apply a test patch, prime as required. Allow primer to dry one week before testing for adhesion. If adhesion is poor, brush blast is recommended to remove this treatment. Remove silicate or white rust by sanding (SSPC-SP7). Water-soluble contaminants should be rinsed off with water.

New Aluminum: New surfaces must be free of oils and lubricants often used in the fabrication or machining of aluminum. Use solvent cleaning preparation SSPC-SP1 with LANCO® Lacquer Thinner LT-102 to clean and remove any foreign matter that could affect the performance of the coating. This can also be accomplished on exterior products by weathering for a month to six weeks prior to the application of primer. Surface must be clean and free of contaminants. If detergent is used, be sure to rinse well, and allow to dry before paint. If small thin oxide film is found on surface, remove by hand cleaning SSPC-SP2 or power cleaning SSPC-SP3.

Masonry and Concrete Surfaces: New mortar plaster, stucco and concrete block must be cured prior to application. Remove any surface contaminant, form release, curing agents or efflorescence, surface must have a safe pH level under 9 prior to the application of paint or primer. Surface preparation of concrete by mechanical, chemical, or thermal methods as of SSPC-SP13 prior to the application of bonded protective coating or lining systems may be necessary. Prime with Lanco® Maxima HP Primer MA-3305 or Lanco® Stain Killer Primer WP-039.

Wood and Plywood: Sand rough areas and prime properly prepared surface with Lanco® Stain Killer™ Primer WP-039. Maximum acceptable moisture content prior to coating new wood should be under 16%.

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 water 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 spreading too thinly.
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 .013"-.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 extend 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.