



Rapid Dry™ RD-3446

Alkyd enamel anticorrosive interior/ exterior

Description:

Rapid Dry™ 15min is an alkyd resin oil-based anticorrosive enamel for metal surfaces that require corrosion protection and fast drying. It has a glossy finish and excellent color retention. Rapid Dry™ is corrosion- and mildew-resistant on properly prepared surfaces, both indoors and outdoors.

Meets Requirements for:

MPI:	N/A
Green Performance 1:	N/A
Green Performance 2:	N/A
VOC Compliant (<400g/L):	No
SCAQMD:	N/A
AIM & OTC:	N/A

Product Advantages:

- High coverage and excellent color retention.
- Fast drying, 15 min. on exterior surfaces.
- Good gloss and uniform finish.
- Excellent corrosion and mildew resistance.
- For use on properly prepared surfaces.
- For residential, commercial, and maintenance use.

Colors:

- White RD3446
- Mocha RD3447
- Mahogany RD3456
- Black RD3458
- International Red RD3453
- "Caterpillar" Yellow RD3454
- "John Deere" Green RD3455
- "John Deere" Yellow RD3452

Uses:

Rapid Dry™ 15min. can be used indoors or outdoors on iron surfaces, wood, steel structures, industrial and agricultural equipment, new or existing. For an ultra-gloss finish and a uniform porcelain-like appearance, the surface must be properly prepared. It is designed for use on metal surfaces industrially exposed to corrosion, providing a protective anticorrosive layer while offering fast drying and color application.

Technical Data:

Product Type:	Oil Resin
Finish:	Gloss (70° - 100°) *Geometry 60°
Solids (%):	42 ± 2% by weight 27 ± 2% by volume
Weight/Gallon:	9.52 ± 0.05 lbs. (4.32 ± 0.02 kg.)
Drying Time:	To touch: 12 - 15 hrs. To recoat: 2 - 4 hrs.
Coverage:	
Theoretical:	Up to 433 ft. ² per gallon @ 1 mil
Recommended:	290-335 ft. ² /gal. (27-31 m ² /gal.) @ 1.3 dry mils, 5 wet mils
Sizes:	1 gallon 1 quart
Thinning:	Is not recommended.
Viscosity:	85 - 95 KU
VOC:	<400 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 surfaces:**

Surface preparation: SSPC-SP1/SP2/SP3
Primer, 1 coat: Red Oxide Primer™ (VA-971)
310 - 355 ft.² (29 - 33 m²/gal)
@1.4 mil dry, 5 mil wet
Apply 2 coats if higher film build is required.

Previously painted surfaces:

Surface preparation: SSPC-SP1
Primer, 1 coat: Red Oxide Primer™ (VA-971)
310 - 355 ft.² (29 - 33 m²/gal)
@1.4 mil dry, 5 mil wet
Apply 2 coats if higher film build is required.

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-SP6 / NACE 3 Commercial Blast Cleaning: Commercial blast cleaning is a surface preparation method for metal surfaces using abrasive propelled through nozzles or centrifugal wheels. Requires removal of all visible mill scale, rust, and other contaminants.

Generally, shadows, streaks, and discoloration caused by rust stains, mill scale, and previously applied paint may remain on no more than 33% of the surface. Light residues of rust and paint may also remain in pits if the original surface is pitted.

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.

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 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).

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® Lacquer Thinner LT-102 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.