

PREMIUM OIL BASED HIGH GLOSS ENAMEL

This Technical Data Sheet (TDS) provides professional instructions for applying DELUXE COATINGS PREMIUM OIL BASED HIGH GLOSS ENAMEL. By integrating system-based preparation with expert application techniques, you will ensure an optimal finish, color depth, and long-term durability.

PRODUCT DESCRIPTION

A premium, solvent-borne alkyd resin enamel formulated for high-durability interior and exterior applications. It cures to a hard, mirror-like gloss finish that provides exceptional resistance to yellowing, moisture, abrasion, and repeated cleaning or scrubbing. Ideal for high-traffic surfaces and architectural trim.

INTENDED USES

It is the ideal primer/sealer for use in the following applications:

Interior	Doors, window frames, baseboards, cabinetry, metal fixtures, trim, and high-traffic trim areas.
Exterior	Wood siding and trim, primed structural steel, metal railings, ironwork, and exterior doors.
Other	Structural steel, Agricultural and mining equipments.

FEATURES & BENEFITS

- Designed to provide a hard wearing Gloss finish.
- Easy to apply.
- High Gloss.
- Water Resistant.
- Good Corrosion resistance.

PRODUCT INFORMATION

Appearance	High Gloss
Colour	Bright White/ White tint base
Generic type	Modified Alkyd.
Volume Solids	31%
S G	1.040
Flash point	26°C
Viscosity at 23°C	80-90 KU
Calculated Max VOC	<600 g/ℓ

PERFORMANCE PROPERTIES

Temperature resistance	Up to 90°C dry heat.
Weather-ability	Fair/ Good.
Abrasion resistance	Good.
Solvent resistance	Moderate.
Chemical resistance	Moderate; not resistant to strong acids or alkalies.

APPLICATION DETAILS

Mixing: Mix well with a power agitator until completely homogeneous. Remix thoroughly before application.

Method

Conventional Spray, Pressure Pot:

Recommended nozzle orifice: 1.4 - 1.8 mm.

Pot Pressure: 70 - 100 kPa (10 - 15 p.s.i.)

Gun Pressure: 380 - 410 kPa (55 - 60 p.s.i.)

Thinning is not required for the application.

Airless Spray:

Recommended tip size: 1.7-1.9 mm

Nozzle Pressure (minimum): 165 bar (2400 p.s.i.)

Thin with 5% mineral turps if required for the application.

Brush: Recommended for touch up and small areas only.

Roller: Not recommended.

Thinning	Mineral Turps
Cleaning	Mineral Turps
Substrate	Suitably prepared surfaces like steel, galvanizing, zinc aluminum, wood, trims, plaster boards.

Application Environment

Surface Temperature	Ambient Temperature	Relative Humidity
Min: 10 °C	Min: 10 °C	Min: 10%
Max: 40 °C	Max: 40 °C	Max: 85 %
*Or min 3 °C above dew point.		

Drying time at 25°C and 50% R.H.

Touch Dry	25-30 min
To Handle	2-3 Hrs
Hard Dry	8 Hrs
Re-coat	4-8 Hrs or Overnight
Full Cure	7 Days
* Longer drying times will be experienced at low temperature and high relative humidity.	

RECOMMENDED FILM THICKNESS PER COAT

Parameter	Min.	Max.	Typical
Dry film thickness - microns	40	50	45
Wet film thickness - microns	129	161	145
Theoretical spreading rate - m²/l	7.75	6.20	6.89

Apply sufficient coats to obtain desired surface finish. To control correct film thickness, it is recommended to measure the wet film thickness continuously during application using a wet film thickness measurement comb.

Coverage: It covers *12-14 Square meter per litre per coat at 23°C.

*The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used.

TYPICAL SPECIFICATIONS

Optimum coating performance will be obtained upon correct and thorough surface preparation.

Surface	Preparation	System	Dry Film Build
Steel	Power tool Clean AS1627.St3 Abrasive Balst AS1627.4 Sa 2½	1st Coat DELUXE Super Seal O/B Primer/Sealer 2nd Coat DELUXEO/B High Gloss Enamel Paint	45 - 50µm 80 - 100µm
Galvanized Steel	Degrease and abrade surfaces with 3M Scotchbrite® pad.	1st Coat DELUXE Super Seal O/B Primer/Sealer 2nd Coat DELUXEO/B High Gloss Enamel Paint	45 - 50µm 80 - 100µm
Previously Painted Surfaces	Sand with P220-240G sand paper	Coat DELUXEO/B High Gloss Enamel Paint	80 - 100µm

Note: two coats at 40 – 50 µm DFT per coat recommended.

Abrasive blast cleaned surfaces must be primed within 4 hours.

Previously painted surfaces must be intact and in sound condition. Test adhesion of the existing coating by standard cross hatch method.

a) If the coating fails it should be removed.

b) High-pressure water wash at 8.3 - 10.3 MPa (1,200 - 1,500 p.s.i.) to remove chalk and dust. Abrade surface to provide a good key for the new coating to bond.

SURFACE PREPARATION

Surface Preparation & Priming: Critical for high-gloss leveling. Ensure all surfaces are clean, dry, free of oil, dirt, and rust. Bare wood or porous surfaces must be primed with an alkyd/oil-based primer sealer. Lightly sand glossy existing paint surfaces with fine-grit sandpaper (220 grit) to establish a mechanical profile.

Boxing: If utilizing multiple containers of the same color, mix them together in one large, clean bucket to guarantee color consistency throughout the project.

Product Mixing & Thinning: Ensure uniform sheen. Stir thoroughly in a smooth circular motion before and during use. Do not shake aggressively to avoid entrapping air bubbles. Thinning is generally not required; if necessary for airless spraying, add no more than 5% mineral spirits.

Application Method: Flow out technique. Apply with a natural bristle brush, high-density foam roller (or short 1/4" nap mohair cover), or airless spray (1700 - 2200 psi). Work quickly across sections and lay off lightly with brush tips to allow proper self-leveling.

Drying & Over coating: Prevent sagging and soft film. Maintain adequate ventilation during drying. Apply a second thin coat after 8–24 hours if higher opacity or build is required. Avoid applying heavy coats on vertical surfaces to prevent sags and runs.

SAFETY PRECAUTIONS

- Always use appropriate dust masks whilst sanding this product.
- Ensure that surface preparation recommendations are adhered to.
- Observe over coating times.
- Avoid painting during inclement weather or if temperature is below 10 °C.
- Always keep paint out of reach of children.
- Ensure good ventilation during application and drying.
- If accidental contact with the skin should occur, wash area immediately with recognized cleaner.
- Eye protection approved to AS1337 must be worn while handling. In case of contact, immediately rinse the eyes with plenty of water and seek medical advice.
- Harmful if swallowed. It may induce vomiting. Seek medical attention.
- Refer to Material Safety Data Sheet for complete information.

STORAGE, HANDLING & PACKAGING

- **Storage Parameters:** Store in original, unopened containers in a dry, well-ventilated area protected from freezing and direct sunlight. Keep ambient storage temperatures between 5°C and 35°C. Keep container tightly closed when not actively painting.
- **Flammable liquid class 3:** Keep away from open flames, heat sources, and sparks.
- **Shelf Life:** 24 months from manufacturing date when stored in unopened containers under recommended conditions. Subject to inspection thereafter.
- **Cleanup:** Clean equipment immediately after use with mineral spirit.
- **Environment Protection:** Do not pour left over paint down the drain. Unwanted paint should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collections. Empty paint containers should be left open in a well-ventilated area to dry out. When dry recycle containers via recycling programme.
- **Individual Packaging:** 1L, 2L, 4L & 10L

LEGAL DISCLAIMER & PRODUCT WARRANTY

Product Warranty

Deluxe Coatings warrants that this product, when applied in strict accordance with the instructions on the packaging and this Technical Data Sheet (TDS), will meet its published performance specifications. This warranty extends for up to 10 years for exterior applications and 12 years for interior applications from the date of purchase.

Limitations & Coverage

This warranty covers product replacement or refund of the purchase price only. It excludes failure resulting from inadequate surface preparation, structural movement, hydrostatic pressure, rising damp, improper thinning, or mechanical damage. To the maximum extent permitted by law, Deluxe Coatings is not liable for labor, scaffolding, or consequential damages.

Technical Advice & Application Conditions

Information and recommendations in this document are provided in good faith based on laboratory testing and field experience. Because substrate conditions, application methods, and environmental factors are beyond our control, technical advice does not alter or expand the terms of the formal Product Warranty above.

MANUFACTURER'S NOTE:

Always perform a test patch in an inconspicuous area if you are unsure of the substrate's condition. For any additional technical support, please contact the Malaga office.

Deluxe Coatings reserves the right to update product formulations and technical data without prior notice. Always ensure you are referencing the most current TDS available on the official Deluxe Coatings portal.

Inherent Characteristic: This product is formulated with an alkyd/oil-based binder. Yellowing is a natural, chemical aging characteristic of all solvent-based and oil-based coatings. It occurs due to the oxidation process during and after the curing of the oil film and is most prominent in white, pastel, and light color shades.

MANUFACTURER'S DETAILS — DELUXE COATINGS

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