



# Polyguard 222DTM

## ALKYD DIRECT TO METAL

**Product Description:** A single-component, quick-drying, anti-corrosive alkyd primer/finish. It serves a dual purpose as both, a direct-to-metal primer and a tough, durable, decorative finish in a single coat.

**Typical Uses:** It is suitable for a wide range of applications in both the heavy and light steel industries, both exterior and interior steel surfaces, particularly where quick-drying properties are essential. A single or double-coat anticorrosive primer and finish for steel structures and general steel work. It provides effective protection for steel in mild to medium atmospheric corrosive environments for metal, equipment, machinery, railings, piping, washing areas, kitchen areas, doors, cabinets, storage tanks, metal buildings, maintenance painting, PEB and steel structures.

- Features:**
- Corrosion resistant
  - High gloss finish for easy cleaning
  - Dual purpose-Primer and Finish coat
  - High gloss finish for easy cleaning
  - Durable gloss finish
  - Ease of application

<b>Technical Properties:</b>	<b>Color / Shades</b>	Available in all shades		
	<b>Gloss</b>	Smooth & semi-gloss		
	<b>Volume Solids</b>	65 ± 2%		
	<b>Specific Gravity</b>	1.35 Kg/L		
	<b>Mix ratio</b>	Not applicable		
	<b>Typical Thickness</b>	90-100 microns [3.5-4 mils] dry equivalent to 139-154 microns [5.5-6 mils] wet		
	<b>Coverage</b>	6-7 m <sup>2</sup> /liter at 100 microns DFT (Theoretical)		
	<b>Flash Point (Typical)</b>	39°C [102.2°F]		
	<b>VOC</b>	< 305.1 g/Liter		
	<b>Cleaner/Thinner</b>	Thinner E1		
	<b>Drying Time</b>	<b>Surface Temperature</b>	30°C	
		Touch dry	1-1.5 Hours	
		Tack free	3-4 Hours	
Overcoating Interval		8 Hours		
Cure to Service		7 Days		
Pot Life		Not applicable		

The drying times mentioned are based on a dry film thickness of 100 microns (4.0 mils) under standard conditions.



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**Surface Preparation:** All surfaces should be clean, dry, and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

**Steel:**

Cleanliness: Blast cleaning to min. Sa 2½ (ISO 8501 1:2007).

Roughness: Using abrasives suitable to achieve Grade, medium G (50 - 75 um, Rz scale) (ISO 8503-2).

**Maintenance & Repair:**

Hand or power tool clean to a minimum St2/St3 (ISO 8501-1:2007)

Application	Application Method	Thinning	Application Parameters
	Spray	5%	Conventional Spray / Airless Spray
	Brush and Roller	-	Not Recommended for large areas, only for small areas apply by brush.

For brush application, use nylon or polyester bristles. A 3/8" woven roller cover with a solvent-resistant core should be used for roller application.

**Note:**

- Applying two coats provides excellent rust inhibition for superior corrosion protection
- For effective corrosion control, uncoated ferrous metal must receive at least two coats

**Application Conditions** Open the packing just before use. Stir thoroughly before and occasionally during use. Apply one or two coats. For better results, ALKYD DTM Paints must be applied by Airless spray gun for better performance. If necessary then use TRPL GP Thinner Maximum up to 5 % for ease of application. Care must be taken to achieve the specified wet and dry film thicknesses. Even coats may free from sags, drips, streaks, bubbles, etc., obtained.

**Storage Shelf Life:** 12 Months, Sealed Condition

**Storage Conditions:** Store indoors below 40°C [104°F]

The product must be stored in accordance with national regulations. Keep the containers in a cool and dry place and well-ventilated area with no direct source of heat or light. Containers must be kept tightly closed when not in use.

**Safety:** Handle with care. Before & during use, observe all safety labels on packaging and paint containers, consult Material Safety Data Sheets, and follow all local or national safety regulations. Avoid inhalation, avoid contact with skin & eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well-ventilated areas.

**Disclaimer:** The information in this document is given to the best of TRPL's knowledge, based on laboratory testing & practical experience. TRPL products are considered semi-finished goods, as such products are often used beyond TRPL's control. TRPL can not guarantee anything but the quality of the product itself. Minor product variations may be implemented to comply with local requirements. TRPL reserves the right to change the given data without further notice. User should always consult TRPL for specific guidance on the general suitability of the product for their needs and specific application practices.