



PRITHVI CORROPRIME

Category: Waterborne Acrylic Corrosion-Protective Metal Primer

1. PRODUCT DESCRIPTION

PRITHVI CORROPRIME is a tough waterborne acrylic primer formulated for corrosion protection of metal substrates. Its specially formulated corrosion inhibitor helps prevent flash rust during application, while the coating provides a smooth and durable protective finish. The cured film offers resistance to UV exposure and moisture, making it suitable for industrial metal protection applications.

2. RECOMMENDED USES / APPLICATIONS

Recommended for corrosion protection of the following substrates and industries:

- Carbon steel, iron, aluminum, galvanized and other non-ferrous metals
- Industrial maintenance
- Fabrication
- Chemical processing plants
- Food & beverage processing facilities (metal structures)
- Other Metal and Aluminum structures

3. KEY FEATURES & BENEFITS

- Suitable for light to moderate industrial, commercial and selected residential metal protection use
- Excellent adhesion on metal as well as masonry and other surfaces
- Suitable for interior and exterior use
- Resists flash rust on metal
- Excellent for all corrugated metal sheeting
- Can be used on galvanized and aluminium metal

4. FILM COMPOSITION

Pigment	Non-lead pigment
Binder	Acrylic Emulsion
Solvent	Water



5. PHYSICAL PROPERTIES

Finish	Smooth and free-flowing liquid paint
Colour	As per requirement
Gloss / Sheen Level	Satin finish
Drying Time	Surface Dry: 1 – 2 hours Hard Dry: after 72 hours
Viscosity	80 – 90 KU
Density	1.10 – 1.50

6. APPLICATION DETAILS

Application Method	Spray, brush or roller
Application Temperature	For fast drying, ensure substrate temperature is at 60°C prior to paint application
Theoretical Coverage	10 – 13 m ² / Lt @ 30 µm dry film thickness
Recommended Dry Film Thickness	2 – 2.5 mils

7. SURFACE PREPARATION

- Prior to painting any surface, remove all grease, dirt and other surface contamination by applying a solution of oil, grease and emulsifier to remove other loose paint, rust and mill scale. Fill holes and cracks and sand smooth. Also remove rust where present.
- Ferrous Metal: Remove any rusted area according to the surface preparation above. Apply directly to properly prepared ferrous metal surfaces. Apply one or two coats as needed.
- Non-Ferrous Metal: Galvanized steel normally comes from the mill chemically treated or passivated to prevent white rusting or oxidation of the galvanized surface during storage or shipping. Due to this, the surface must be thoroughly cleaned with oil and grease emulsifier. Apply one or two coats as needed.
- On steel surfaces, proper cleaning, sand blasting and phosphating should be carried out as per requirements.
- Once cured, a suitable compatible topcoat may be applied as required for the intended service environment.

8. DILUTION

- 10% – 15% maximum, dilute with water. Do not over-dilute, and shake the paint well before use.

9. FINISHING

- Stir thoroughly before use.



10. PRECAUTIONS

- Avoid extreme temperature.
- Do not apply on damp surfaces.
- Do not over-thin.
- Stir well before use.
- Wear eye protection while applying.
- Avoid inhalation of dust by wearing a suitable nose mask during surface preparation.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of contact with skin, remove splashes from skin with soap and water or a recognized skin cleaner.
- In case of ingestion, seek medical attention.

DISCLAIMER

The information contained in this Technical Data Sheet is provided in good faith and is based on Prithvi Coatings' current knowledge and testing believed to be reliable. It is intended as a general guide only and does not constitute a warranty of performance, as actual results may vary depending on application conditions, substrate, and equipment beyond our control. Users should conduct their own trials to confirm suitability for their specific purpose prior to full-scale use. Prithvi Coatings reserves the right to amend this data without prior notice as products are continually reviewed and improved. Please ensure you are referring to the most current version of this document.