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RUDRA PAINT



PLOT NO. 60/61, PANDOL INDUSTRIAL AREA, VED ROAD, KATARGAM,
SURAT, GUJARAT -395004

TECHNICAL DATA SHEET _RP-305

EPOXY ZINC RICH PRIMER HYBRID (Solvent based)

PRODUCT DESCRIPTION

Recommended as a primer for suitably cleaned Mild Steel (MS), Galvanized Iron (GI), and aluminum surfaces in OEM equipment painting, as well as an anti-corrosive primer for process industries such as fertilizer plants, refineries, and petrochemical complexes. It provides excellent protection for steel pipelines and structures against corrosion.

The primer offers high chemical resistance and is recommended for use in highly saline atmospheres.

RECOMMENDED USE

Colour: Grey / Red Oxide

Finish: Matt

Solids by Volume: 60 ± 3%

Theoretical Coverage: 7 m²/L at the recommended DFT of 75 microns

Flash Point

- Base: Normal
- Hardener: Normal
- Mixed: Normal

DRYING CHARACTERISTICS

(At 30°C and 60% Relative Humidity)

- Surface Dry: 20–30 minutes
- Hard Dry: 24 hours
- Full Cure: 7 days

SHELF LIFE

(Stored at 25°C)

- Base: 9 months
- Hardener: 9 months

APPLICATION DATA

Mixing Ratio	Base : Hardener = 4 : 1 (by volume)
Maturation Time	30 minutes
Pot Life	6 hours at 30°C
Application Methods	Brush, Air spray, Airless spray
Recommended DFT	75 microns per coat

Overcoating Interval

- Minimum: 8 hours
- Maximum: 24 hours

If the maximum overcoating interval is exceeded, the surface should be roughened by emery scuffing before recoating.

Compatibility

Compatible with Epoxy and Polyurethane paints.

RESISTANCE GUIDE

Chemical Resistance

Exposure	Resistance
Acids	Good
Alkalis	Good
Solvents	Very Good
Salt	Very Good
Water	Very Good

Temperature Resistance

- Continuous: 90°C
- Intermittent: 120°C

Weatherability

Very good when used with a suitable topcoat.

Flexibility

Good

SURFACE PREPARATION

Remove grease, oil, and other contaminants using a suitable degreasing solvent. Thoroughly clean and dust down all surfaces before application.

HEALTH & SAFETY

All work involving the application and use of this product should be performed in compliance with all relevant national health, safety, and environmental standards and regulations.

Before use, obtain, read, and follow the Material Safety Data Sheet (MSDS) for this product regarding health and safety information. Carefully read and follow all precautionary notices on the MSDS and container labels.

If you do not fully understand these warnings and instructions, or if you cannot strictly comply with them, do not use this product.

Proper ventilation and protective measures must be provided during application and drying to maintain solvent vapor concentrations within safe limits and to protect against toxic or oxygen-deficient atmospheres.

Take precautions to avoid skin and eye contact by using appropriate personal protective equipment (PPE), such as gloves, goggles, face masks, and barrier creams.

Actual safety measures will depend on the application method and working environment.

This is a solvent-based primer. Care should be taken to avoid inhalation of spray mist or vapors and to prevent contact between wet paint and exposed skin or eyes.

APPLICATION METHOD

Surface Mixing Procedure

1. Stir the base component thoroughly.
2. Mix the base and hardener in the recommended ratio of 4:1 by volume.
3. Stir thoroughly until a homogeneous mixture is obtained.
4. Add thinner, if required, according to the selected application method and mix thoroughly for a few minutes.
5. Allow the mixture to stand (mature) for approximately 10–15 minutes to initiate the curing reaction.
6. Once mixed, the paint should not be resealed.
7. Clean all equipment immediately after use with the recommended thinner.
8. Flush spray equipment periodically during the working day to prevent blockage.

Application Methods

Brush Application

- Maximum thinner addition: 5% (if required)
- Use good-quality brushes for application.

Air Spray Application

- Recommended thinner: 10–15%
- Nozzle Orifice: 1.2–1.4 mm
- Nozzle Pressure: 40–70 psi

Airless Spray Application

- Recommended thinner: Maximum 5%
- Nozzle Orifice: 0.28 mm
- Nozzle Pressure: 1400–1800 psi

PACKING QUANTITY

- 20 Litre Pack
- 200 Litre Pack



Mfg by **RUDRA ENTERPRISE**

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THE FUTURE OF SURFACE PROTECTION

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