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

TECHNICAL DATA SHEET RP- 602

ZINC RICH PRIMER (90% zinc)

PRODUCT DESCRIPTION

RP-602 Zinc Rich Primer is a high-performance anti-corrosive primer formulated with a high concentration of zinc dust and a durable binder system. The coating provides cathodic (sacrificial) protection to steel surfaces, significantly reducing the risk of corrosion in aggressive industrial, marine, and atmospheric environments.

The primer is designed to provide long-term protection to structural steel, pipelines, tanks, machinery, and fabricated steel components exposed to severe weathering and corrosive conditions.

PRODUCT FEATURES

- Excellent anti-corrosive properties.
- Provides cathodic (sacrificial) protection.
- High zinc loading for superior corrosion resistance.
- Excellent adhesion to properly prepared steel surfaces.
- Suitable for industrial and marine environments.
- Fast drying and easy application.
- Compatible with epoxy, polyurethane, chlorinated rubber, and alkyd topcoats.
- Good resistance to moisture and salt-laden atmospheres.

RECOMMENDED USES

Recommended for:

- Structural steel
- Storage tanks
- Pipelines
- Offshore structures
- Marine equipment

- Power plants
- Refineries
- Petrochemical complexes
- Fertilizer plants
- Bridges and transmission towers
- Fabricated steel components

TECHNICAL DATA

Property	Typical Value
Product Type	Zinc Rich Primer
Colour	Grey
Finish	Matt
Components	Two Pack / Single Pack (as applicable)
Solids by Volume	To be specified
Specific Gravity	To be specified
Flash Point	To be specified
Coverage	To be specified
Recommended DFT	50–75 Microns
Recommended WFT	As required
Shelf Life	12 Months

DRYING CHARACTERISTICS

Property	Typical Time
Surface Dry	30–60 Minutes
Hard Dry	6–8 Hours
Recoating Interval	6–24 Hours
Full Cure	7 Days

(At 25°C and 50% Relative Humidity)

APPLICATION DATA

Mixing Ratio

As recommended by the manufacturer.

Application Methods

- Brush
- Roller
- Conventional Air Spray
- Airless Spray

Thinning

Use only the recommended thinner.

Application Method Thinner Addition

Brush / Roller Up to 5%

Air Spray 10–15%

Airless Spray Up to 5%

SURFACE PREPARATION

All surfaces must be clean, dry, and free from:

- Oil
- Grease
- Dust
- Rust
- Mill scale
- Moisture
- Loose paint

Recommended Surface Preparation

- Abrasive Blast Cleaning: Sa 2½ (ISO 8501-1)
- Surface Profile: 40–75 Microns

PERFORMANCE PROPERTIES

- Excellent Corrosion Resistance
- Excellent Salt Spray Resistance
- Excellent Adhesion
- Good Abrasion Resistance
- Good Impact Resistance
- Good Chemical Resistance
- Excellent Weather Resistance

COMPATIBLE TOPCOATS

- Epoxy Coatings
- Polyurethane Coatings
- Chlorinated Rubber Coatings
- Acrylic Coatings
- Alkyd Finishes

STORAGE

Store in a cool, dry, and well-ventilated area.

- Keep containers tightly closed.
- Protect from direct sunlight.
- Keep away from heat and ignition sources.

Shelf Life

12 Months in unopened original containers.

PACKING

Available in:

- 20 Litre Packs
- 200 Litre Drums

HEALTH & SAFETY

- Use in well-ventilated areas.
- Avoid inhalation of vapours and spray mist.
- Wear suitable gloves, goggles, and protective clothing.
- Avoid skin and eye contact.
- Keep away from sources of ignition.



Mfg by **RUDRA ENTERPRISE**

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THE FUTURE OF SURFACE PROTECTION

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