

Ressi EPO Prime – Interior

Anticorrosive Epoxy Primer for C1 Very
Low Corrosivity Environments



Ressi EPO Prime – Interior is a two-component, high-quality anticorrosive epoxy primer formulated for C1 very low corrosivity environments, as defined in ISO 12944. It provides reliable protection for interior steel structures and equipment exposed to dry indoor conditions, such as offices, warehouses, and clean manufacturing areas.

The primer offers excellent adhesion, smooth film formation, and moisture resistance, making it ideal as a primer or holding coat under epoxy or polyurethane topcoats. Its balanced pigment-to-binder ratio ensures strong barrier protection against mild atmospheric exposure while maintaining easy workability and a durable finish.

TYPICAL APPLICATION

- ✓ Interior steel structures and fabricated components
- ✓ Storage racks, machinery, and equipment in dry areas
- ✓ Electrical cabinets, ducts, and enclosures
- ✓ Manufacturing and assembly facilities
- ✓ Warehouses and logistics centers
- ✓ General OEM and maintenance applications

ADVANTAGES

- ✓ Designed for C1 very low corrosivity environments (ISO 12944 compliant)
- ✓ Provides excellent adhesion and smooth surface profile
- ✓ Reliable protection in indoor, dry, and controlled environments
- ✓ Contains anticorrosive pigments for extended service life
- ✓ Compatible with epoxy and polyurethane topcoats
- ✓ Cures to a hard, durable, and easily overcoat able film
- ✓ Simple application by brush, roller, or spray

SURFACE PREPARATION AND MIXING

- All surfaces must be clean, dry, and free from oil, grease, rust, and other contaminants.
- ✓ Abrasive blast cleaning to Sa 2 (ISO 8501-1) is recommended for optimal adhesion.
 - ✓ For light-duty applications, mechanical cleaning to St 2 or St 3 may be acceptable.
 - ✓ Ensure the surface is free from dust, moisture, and contaminants prior to coating.

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MIXING

Ressi EPO Prime – Interior is supplied as a two-component system (Base and Hardener).

1. Add the entire contents of Part B (Hardener) into Part A (Base).
2. Mix thoroughly using a slow-speed mechanical stirrer (300–400 rpm) until homogeneous.
3. Avoid entraining air during mixing.

APPLICATION

Apply the mixed material by airless spray, conventional spray, brush, or roller. Ensure uniform film thickness and complete coverage.

- ✓ Recommended Dry Film Thickness (DFT): 60–70 microns per coat
- ✓ Apply additional coats only after the previous layer is dry to touch and within the recommended overcoating window.

COVERAGE

Approximately 70–80 sq. ft. per kg per coat @ 80–100 microns, Theoretical coverage values are provided for reference only; actual material consumption may vary depending on surface profile, porosity, and application conditions

LIMITATIONS

When temperatures exceed 35°C working times will be reduced significantly. During application in cold weather correct conditioning is essential. Application should be halted if the ambient or substrate temperature is likely to fall below 10°C.

SHELF LIFE

12 Months from the date of manufacture when stored under warehouse conditions in original unopened packaging. Extreme temperature / Humidity may reduce shelf life.

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TECHNICAL PROPERTIES

Appearance	Opaque Liquid
Color	Red
Viscosity (Part A)	600 – 1000
Viscosity (Part B)	100 – 150
Mix Ratio (Part A: Part B)	100 : 33
Mix Viscosity @ 25°C / cPs	200 – 400
Mix Density /g / cc	1.10
Working time	90 – 120 minutes
Tack Free Time	4 – 5 Hours
Over coat time	8 Hours – 12 Hours (Depending upon nature of substrate)
Full Cure	7 days
Adhesion Test (ASTM D 3359)	5B (Pass)
Pencil Hardness (ASTM D 3363)	5H (Pass)
Mandrel Test (ASTM D 522)	12mm (Pass)
Impact Resistance Test (ASTM D 2794)	>60 inch-lb

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PACK SIZE

Ressi EPO Prime – Interior is available in the following pack sizes:

- 1 KG:** Part A 750g
Part B 250g
- 5 KG:** Part A 3.75 KG
Part B 1.25 KG
- 20 KG:** Part A 15 KG
Part B 5 KG

HEALTH AND SAFETY

The packed material of **Ressi EPO Prime – Interior** is regarded as non-hazardous for transportation. Once opened extreme temperatures may cause the material to be flammable. Do not re use bags, containers, and packaging materials. It is recommended to dispose the packaging as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to MSDS of the product for further health and safety information.