ZINC-RICH M.I.O. EPOXY PRIMER
RTB-1312 (A&B COMPONENTS)

Special high-build, two-component Zinc-Rich Epoxy Coating reinforced with Micaceous Iron Oxide with excellent adhesion, durability, and anti-corrosive properties.

USES AND SUITABALE TOP-COATS

Recommended Uses	First coat and single coating system for steel structures, maintenance operations, and brushed and sandblasted metal surfaces.
Suitable Top-Coats	RTB-1312 can be over-coated with a wide range of epoxy coatings and polyurethane systems.

CHEMICAL COMPOSITION

Type of Binder	Epoxy – Polyamide	Zinc Content in Dried Film	61 ± 1% By Weight
Number of Component(s)	2 Components	Solid Content After Mixing	85 ± 1% By Weight
Curing Mechanism	Chemical Reaction		64 ± 2% By Volume
Main Pigment(s)	Metallic Zinc Powder and Micaceous Iron Oxide	Flash Point	28°C (82°F)

PHYSICAL PROPERTIES

Finish	Flat
Colour	Dark Grey
Specific Gravityafter Mixing	2.015 ± 0.035 gr/cm³
Thermal Tolerance	Min -60°C Max 145°C

APPLICATION DETAILS

Surface Preparation	All oil, grease, dirt and other contaminants must be removed from the surface. Sandblast according to Swedish Standard (SIS 5900). Sa 2 ½ or Sa 3 or Nace#2 is recommended.
Mixing Ratio	Component A: 100 Parts by weight Component B(RTB-1312-B or RTB-9000): 10 Parts by weight
Mixing Instructions	Mix component A thoroughly with a suitable mixer, then add component B slowly and mix well for 5 minutes. Keep the mixture for 5 additional minutes prior to thinning down to allow for the pre-reaction time. Do not thin down each component separately.
Pot Life	4 Hours at 25°C
Theoretical Consumption	250 gr/m² @ 80 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.013" – 0.017"	1.80 mm	---	---
Pump Ratio	1 / 45	---	---	---
Air Pressure	3 – 5 Bar	3 – 5 Bar	---	---
Thinning	3 – 7% T-445	6 – 12% T-445	2 – 4% T-445	2 – 4% T-445

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	160	125	230
Dry Film Thickness (µm)	100	80	145

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
10 – 20 Minutes	30 – 60 Minutes	3 – 4 Hours	10-14 Days	Min. 8 Hours Max. 10 Days

**Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT*

Application Limits

Relative Humidity	Min. ---	Max. 80%
Temperature	Min. +5°C	Max. +40°C
Substrate Temperature*	Min. +5°C	Max. +45°C

**Please note that the substrate temperature should be at least 5°C above the dew point*

Recommendations	-Should the recoating interval have expired, please refer to the procedures outlined in the Ronass Instruction Leaflet. -Clean tools thoroughly before and immediately after use with cleaning solvent T-111 or T-445.

PACKING, STORAGE AND SAFETY

Packing	Component A (Epoxy): 10 Litres Containers (18 kgs. Net) and Component B (Hardener): 4 Litres Containers (1.8 kgs. Net)
Storage Conditions	To be stored in cool and dry conditions in original sealed containers.
Shelf Life	9 months after delivery in original sealed containers and proper storage conditions with temperature of 25°C.
Safety	This product contains organic solvents and flammable materials. Keep away from sparks, fires, electrical cables and equipments, direct sunshine and out of children's reach. Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation.