RONASS EPOXY PHENOL PRIMER
RTB-968 (A&B COMPONENTS)

Two-component phenol-modified high-build epoxy primer with excellent anti-corrosive and adhesion, as well as excellent chemical resistance, this product also has excellent heat resistances on atmospheric and immersion services.

USES AND SUITABALE TOP-COATS

Recommended Uses	Primer and intermediate coat for steel structures, maintenance operations, protective coating systems, and interior coating for vessels and water tanks.
Suitable Top-Coats	Can be over-coated by RTB-757-R (Ronass Acid-Resistant Epoxy Coating), RTB-969-R (Ronass Epoxy Phenol Coating), or other chemical-resistant epoxy Coatings.

CHEMICAL COMPOSITION

Type of Binder	Epoxy Phenol – Polyaminoamide	Solid Content After Mixing	77 ± 1% By Weight
Number of Component(s)	2 Components		55 ± 2% By Volume
Curing Mechanism	Chemical Reaction	Flash Point	29°C (84°F)

PHYSICAL PROPERTIES

Finish	Matt
Colour	Light Grey (Comparable with RAL-7000: Squirrel Grey and RAL-7040: Window Grey)
Specific Gravity after Mixing	1.65 ± 0.05 gr/cm³
Heat Resistance	Atmospheric Service: Min -50°C Max 150°C Immersion Service: Up to 90°C

APPLICATION DETAILS

Surface Preparation	All oil, grease, dirt and other contaminants must be removed from the surface. Sandblast according to the Swedish Standard (SIS 5900). Sa 3 is recommended.
Mixing Ratio	Component A: 100 Parts by weight Component B(RTB-968-B or RTB-9400): 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 10 additional minutes prior to thinning down to allow for pre-reaction time. Do not thin down each component separately.
Pot Life	2 Hours at 25°C
Theoretical Consumption	300 gr/m² @ 100 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	4 – 6 Bar	3 – 4 Bar	---	---
Thinning	5 – 10% T-445	10 – 20% T-445	3 – 5% T-445	3 – 5% T-445

Film Thickness

	Airless Spray	Roller / Brush
Wet Film Thickness (µm)	180 – 345	35 – 55
Dry Film Thickness (µm)	100 – 190	20 – 30

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
60 – 90 Minutes	3 – 4 Hours	6 – 8 Hours	7 – 10 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): 20 Litres Containers (25 kgs. Net) and Component B(Hardener): 4 Litres Containers (2.5 kgs. Net)
Storage Conditions	To be stored in cool and dry conditions in original sealed containers.
Shelf Life	At least 18 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.