

Special high-build, two-component Zinc-rich epoxy phenol coating with excellent adhesion and anti-corrosive properties.

## USES AND SUITABLE TOP-COATS

**Recommended Uses** First coat for steel structures and interior coating systems for water and fuel tanks.  
**Suitable Top-Coats** RTB-1170-R can be over-coated with all types of coatings and finishes.

## CHEMICAL COMPOSITION

Type of Binder	Epoxy Phenol	Zinc Content in Dried Film	70 ± 1% By Weight
Number of Component(s)	2 Components	Solid Content After Mixing	87 ± 1% By Weight
Curing Mechanism	Chemical Reaction		65 ± 3% By Volume
Main Pigment(s)	Pure Metallic Zinc Powder	Flash Point	28°C (82°F)

## PHYSICAL PROPERTIES

Finish	Flat
Colour	Grey
Specific Gravity after Mixing	2.35 ± 0.05 gr/cm <sup>3</sup>

## APPLICATION DETAILS

Surface Preparation	All oil, grease, dirt and other contaminants must be removed from the surface. Sandblast according to Swedish Standard. Sa 2 ½ or Sa 3 is recommended.
Mixing Ratio	Component A: 100 Parts by weight      Component B: 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	4 Hours at 25°C
Theoretical Consumption	180 gr/m <sup>2</sup> @ 50 Microns DFT

Paint Application	Methods	Airless Spray	Air Spray	Brush	Roller
	Nozzle Size	0.011" – 0.015"	1.80 mm	---	---
	Pump Ratio	1 / 45	---	---	---
	Air Pressure	4 – 6 Bar	3 – 4 Bar	---	---
	Thinning	5 – 9% T-445	10 – 18% T-445	4 – 6% T-445	4 – 6% T-445

Film Thickness	Recommended		Minimum	Maximum
	Wet Film Thickness (µm)	110	37	220
	Dry Film Thickness (µm)	75	25	150

Drying Time	Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
	5 – 10 Minutes	1 – 2 Hours	8 – 12 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 (20 kgs. Net) and Component B(Hardener): 5 Litres Containers (2 kgs. Net)
Storage Conditions	To be stored in cool and dry conditions in original sealed containers.
Shelf Life	At least 9 months after delivery.
Safety	This product contains organic solvents and flammable materials. Keep away from sparks, fires, electrical cables and equipment, direct sunshine and out of children's reach.  Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation.