RONASS ZINC PHOSPHATE PRIMER
RTB-850-R

Special one-component alkyd-based primer with excellent adhesion and anti-corrosive properties, as well as long lasting and durability.

USES AND SUITABALE TOP-COATS

Recommended Uses	First coat and single coating system for steel structures, metal surfaces and maintenance operations.
Suitable Top-Coats	RTB-850-R can be over-coated by RTB-680 (Ronass Alkyd Enamel Finish Coat).

CHEMICAL COMPOSITION

Type of Binder	Modified Alkyd Resin	Solid Content	72 ± 1% By Weight
Number of Component(s)	1 Component		53 ± 2% By Volume
Curing Mechanism	Solvent Evaporation and Oxidation		
Main Pigment(s)	Zinc Phosphate	Flash Point	29°C (84°F)

PHYSICAL PROPERTIES

Finish	Semi flat
Colour	Oxide Red (RAL-3009) and Sand Yellow (RAL-1002)
Specific Gravity	1.40 ± 0.05 gr/cm³

APPLICATION DETAILS

Surface Preparation: All oil, grease, dirt and other contaminants must be removed from the surface. Wire brush or sandblast according to the surface conditions is recommended.

Theoretical Consumption: 135 gr/m² @ 50 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.011" – 0.015"	1.80 mm	---	---
Pump Ratio	1 / 28	---	---	---
Air Pressure	4 – 6 Bar	3 – 4 Bar	---	---
Thinning	8 – 12% T-411	10 – 20% T-411	3 – 5% T-411	3 – 5% T-411

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	115	75	190
Dry Film Thickness (µm)	60	40	100

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
30 – 60 Minutes	2 – 3 Hours	6 – 8 Hours	10-20 Days	Min. 24 Hours Max. 14 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-411.

PACKING, STORAGE AND SAFETY

Packing	20 Litres Containers (25 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.