RONASS ALUMINUM-BASED COATING
RTB-531

Special one-component, heat-resistant finish coat with excellent adhesion, hiding power and weather resistance. This product complies with National Iranian Standard ISIRI-1493. (Certificate No. 8644098934).

USES AND SUITABALE PRIMERS

Recommended Uses	Can be used as intermediate and finish coat for steel structures and metal surfaces that are subject to sunlight radiation and medium range temperatures up to 150°C.
Suitable Primers	RTB-530 (Intermediate Silver Coating) or other synthetic primers.

CHEMICAL COMPOSITION

Type of Binder	Modified Alkyd Resin	Solid Content	50 ± 1% By Weight
Number of Component(s)	1 Component		41± 1% By Volume
Curing Mechanism	Solvent Evaporation and Oxidation		
Main Pigment(s)	Aluminum Powder	Flash Point	18°C (64°F)

PHYSICAL PROPERTIES

Finish	Gloss
Colour	Silver (Comparable with RAL-9006: White Aluminum)
Specific Gravity	0.99 ± 0.015 gr/cm³
Heat Resistance	Continuous Service: 150°C Non-Continuous Service: 200°C

*Please note that this coating's colour and Gloss may changed when subjected to high temperatures.These minor changes do not effect the resistance and anti corrosive characteristics of the coating paint film.

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 condition with RTB-530 (Intermediate Silver Coating) is recommended.

Theoretical Consumption: 75 gr/m² @ 30 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray
Nozzle Size	0.009" – 0.011"	1.80 mm
Pump Ratio	1 / 28	---
Air Pressure	3 – 4.5 Bar	3 – 5 Bar
Thinning	10 – 20% T-532	20 – 40% T-532

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	70	50	95
Dry Film Thickness (µm)	30	20	40

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
30 – 45 Minutes	2 – 3 Hours	Max 16 Hours	7-10 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-532.

PACKING, STORAGE AND SAFETY

Packing: 1 Litre Containers (0.95 kgs.Net) and 10 Litres Containers (10 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.