RONASS HEAT-RESISTANT PRIMER (UP TO 200°C)

RTB-721

A medium range heat-resistant coating with excellent adhesion, anti-corrosive properties and mechanical resistances.

USES AND SUITABALE TOP-COATS

Recommended Uses	Primer or single coating system for steel structures and metal surfaces which are subjected to medium thermal stresses up to 250°C.
Suitable Top-Coats	Pure or Silicone-modified heat-resistant coatings.

CHEMICAL COMPOSITION

Type of Binder	Silicone-Modified Acrylic Resin	Solid Content	Silver	Other Colours
Number of Component(s)	1 Component	By Weight	65 ± 1%	70 ± 1%
Curing Mechanism	Thermosetting	By Volume	48 ± 2%	48 ± 2%
Flash Point	28°C (82°F)			

PHYSICAL PROPERTIES

Finish	Semi flat
Colour	Signal Black (RAL-9004), White Aluminum (RAL-9006), Light Grey (RAL-7035), Pure White (RAL-9010)
Specific Gravity	1.25 ± 0.10 gr/cm³ (White Aluminum) | 1.45 ± 0.05 gr/cm³ (Other Colours)
Heat Resistance	Continuous Service: 200°C Non-Continuous Service: 250°C *Please note that this coating's colour and Gloss may changed when subjected to high temperatures.These minor changes do not effect the resistances and performances of the paints film.

APPLICATION DETAILS

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

Theoretical Consumption: 110-120 gr/m² @ 40 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.009" – 0.013"	1.80 mm	---	---
Pump Ratio	1 / 28	---	---	---
Air Pressure	4 – 6 Bar	3 – 4 Bar	---	---
Thinning	5 – 10% T-1010	8 – 15% T-1010	3 – 5% T-1010	---

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	95	65	125
Dry Film Thickness (µm)	45	30	60

Drying Time@25°C

Dust Free Time	Tack Free Time	Recoating Interval
20 – 30 Minutes	90 – 120 Minutes	Min. 24 Hours Max *

Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT
**Please note that once Heat-Resistant coatings have been exposed to service condition, prior to paint application, surface preparation including cleaning, degreasing, and gentle scrubbing with a suitable sandpaper is recommended.*

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-1010.

PACKING, STORAGE AND SAFETY

Packing	20 Litres Containers (12 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.