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

RTB-990-R

Medium range heat-resistant coating with excellent adhesion and anti-corrosive properties.

USES AND SUITABALE PRIMERS

Recommended Uses	Finish coat for steel structures and metal surfaces which are subjected to medium thermal stresses up to 250°C.
Suitable Primers	RTB-721-R (Ronass Heat Resistant Primer) or other medium-range heat-resistant primers.

CHEMICAL COMPOSITION

Type of Binder	Silicone-Modified Acrylic Resin
Number of Component(s)	1 Component
Curing Mechanism	Thermosetting
Flash Point	28°C (82°F)

Solid Content	Silver	Other Colours
By Weight	50 ± 1%	65 ± 1%
By Volume	41 ± 2%	45 ± 2%

PHYSICAL PROPERTIES

Finish	Semi gloss
Colour	White Aluminum (RAL 9006), Pure White (RAL-9010), Squirrel Grey (RAL-7000), Jet Black (RAL-9005)
Specific Gravity	(Silver):1.00 ± 0.03 gr/cm³ |(Other Colours): 1.35 ± 0.10 gr/cm³
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 on performances of the paint's 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 Swedish Standard (SIS 5900). Sa 2 and treatment with Ronass heat- resistant primer, RTB-721-R is highly recommended

Theoretical Consumption: 100-120 gr/m² @ 40 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.009" – 0.011"	1.80 mm	---	---
Pump Ratio	1 / 28	---	---	---
Air Pressure	4 – 6 Bar	3 – 4 Bar	---	---
Thinning	5 – 10% T-991	10 – 20% T-991	3 – 5% T-991	3 – 5% T-991

Film Thickness

	Silver	Other Colours
Wet Film Thickness (µm)	60 – 85	60 – 110
Dry Film Thickness (µm)	25 – 35	30 – 50

Drying Time@25°C

Dust Free Time	Tack Free Time	Fully Cured	Recoating Interval
20 – 30 Minutes	60 – 90 Minutes	In Service	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 torecoating and 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-991.

PACKING, STORAGE AND SAFETY

Packing	10 Litres Containers (10 kgs. Net)
Storage Conditions	To be stored in cool and dry conditions in original sealed containers.
Shelf Life	At least 12 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.