RONASS HEAT-RESISTANT COATING (UP TO 400°C)

RTB-1223

Special one-component heat-resistant finish coat with excellent adhesion, hiding power and anti-corrosive properties.

USES AND SUITABALE PRIMERS

Recommended Uses	Intermediate and finish coat in heat-resistant protective coating systems which are subjected to high thermal stresses up to 450° C.
Suitable Primers	Zinc Silicate primer or other heat-resistant primers.

CHEMICAL COMPOSITION

Type of Binder	Pure Silicone Resin	Solid Content	Silver	Grey, Red, Black	White
Number of Component(s)	1 Component	By Weight	52 ± 2%	67 ± 1%	70 ± 1%
Curing Mechanism	Thermosetting	By Volume	40 ± 2%	47 ± 2%	52 ± 2%
Flash Point	20°C (68°F)				

PHYSICAL PROPERTIES

Finish	Semi gloss
Colour	Silver, Grey, Red, Black, White
Specific Gravity	1.05 ± 0.05 gr/cm³ (Silver) | 1.35 ± 0.10 gr/cm³ (Other Colours) | 1.20 ± 0.05 gr/cm³ Jet Black(RAL-9005).
Heat Resistance	Continuous Service: 450°C Non-Continuous Service: 550°C *Please note that this coating's colour and Gloss may changed when subjected to high temperatures.These minor changes do not effect on performance of the paints film.

APPLICATION DETAILS

Surface Preparation: All oil, grease, dirt and other contaminants must be removed from the surface. Sandblast according to Swedish Standard(SIS 5900). Sa 2 ½, and treatment with a heat-resistant primer (RTB-585, RTB-909 or RTB-1222-R) is recommended.

Theoretical Consumption: 100-120 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-587	10 – 20% T-587	2 – 5% T-587	2 – 5% T-587

Film Thickness

	Silver	Other Colours
Wet Film Thickness (µm)	75 – 125	55 – 90
Dry Film Thickness (µm)	30 – 50	30 – 50

Drying Time@25°C

Dust Free Time	Dry to Handle	Recoating Interval
20 – 30 Minutes	Optimum mechanical resistances are only ensured after exposure to approximately 200°C for at least 1 hour	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 conditions, prior to paint application, surface preparation including cleaning, degreasing, and gentle scrubbing with suitable sandpaper is recommended.*

Application Limits

Relative Humidity	Min. ---	Max. 80%
Temperature	Min. +5°C	Max. +35°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-587.

PACKING, STORAGE AND SAFETY

Packing	20 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 deliveryin 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.