RONASS HEAT-RESISTANT PRIMER (UP TO 600°C)

RTB-909

High temperature range, One-component, pure Silicone-based coating with excellent heat resistance and anti-corrosive properties.

USES AND SUITABALE TOP-COATS

Recommended Uses	This primer is used in multi layer-coating systems for protection of metal surfaces such as cracking plants, rotary kilns and steel structures those are subjected to high thermal stresses up to 600°C.
Suitable Top-Coats	High-temperature resistant pure Silicone-based coatings.RTB-910 Ronass.

CHEMICAL COMPOSITION

		Solid Content	Silver	Other Colours
Type of Binder	Specially Selected Silicone Resin	By Weight	72 ± 1%	80 ± 1%
Number of Component(s)	1 Component	By Volume	60 ± 2%	62 ± 2%
Curing Mechanism	Thermosetting			
Flash Point	28°C (82°F)			

PHYSICAL PROPERTIES

Finish	Matt
Colour	Brown, Red, Grey, White
Specific Gravity	Silver: 1.20± 0.05 gr/cm³ Other Colours : 1.60 ± 0.10 gr/cm³
Heat Resistance	Continuous Service: 600°C Non-Continuous Service: 700°C *Please note that this coating's colour and Gloss may changed when subjected to high temperatures.These minor changes do not effect on paint's film performances.

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 is recommended.

Theoretical Consumption: 100-130 gr/m² @ 50 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.011" – 0.013"	1.80 mm	---	---
Pump Ratio	1/ 28	---	---	---
Air Pressure	4 – 6 Bar	3 – 5 Bar	---	---
Thinning	5 – 10% T-587	15 – 20% T-587	3 – 5% T-587	3 – 5% T-587

Film Thickness

	Silver	Other Colours
Wet Film Thickness (µm)	70 – 95	65 – 90
Dry Film Thickness (µm)	40 – 55	40 – 55

Drying Time@25°C

Dust Free Time	Tack Free Time	Fully Cured	Recoating Interval
10 – 20 Minutes	30 – 60 Minutes	Optimum mechanical resistances are obtained 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 condition, prior to recoating and 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. +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-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 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.