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

RTB-910

Special one-component, high temperature range, pure Silicone-based coating with excellent heat resistance and anti-corrosive properties.

USES

Recommended Uses: Intermediate and finish coat for protection of metal surfaces such as cracking plants, rotary kilns and steel structures which are subjected to high thermal stresses up to 600°C.

CHEMICAL COMPOSITION

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

Solid Content	Silver	Other Colours
By Weight	60 ± 1%	70 ± 1%
By Volume	43 ± 2%	48 ± 2%

PHYSICAL PROPERTIES

Finish: Semi gloss

Colour: Grey, Black, Silver

Specific Gravity: Silver: 1.20 ± 0.05 gr/cm³ Other Colours: 1.45 ± 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 to performances of paint's 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 suitable primer 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	3 – 5 Bar	3 – 4 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 – 120	60 – 105
Dry Film Thickness (µm)	30 – 50	30 – 50

Drying Time@25°C

Dust Free Time	Tack Free Time	Fully Cured	Recoating Interval
20 – 30 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 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-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.