RONASS HEAT-RESISTANT COATING (UP TO 750°C)

RTB-686

Special one-component high performance, high temperature range, heat-resistant coating with excellent long-term heat-resistance and anti-corrosive properties.

USES AND SUITABALE PRIMERS

Recommended Uses	Primer, 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 750°C.
Suitable Primers	RTB-686 is a self-priming system and can be over-coated by itself.

CHEMICAL COMPOSITION

Type of Binder	Specially Selected Silicone Resin	Solid Content	90 ± 1% By Weight
Number of Component(s)	1 Component		74 ± 2% By Volume
Curing Mechanism	Chemical Reaction	Flash Point	28°C (82°F)

PHYSICAL PROPERTIES

Finish	Matt
Colour	Graphite Grey
Specific Gravity	2.15 ± 0.05 gr/cm³
Heat Resistance	Continuous Service: 750°C
	Non-Continuous Service: 900°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. Sandblast according to Swedish Standard (SIS 5900)Sa 2 ½ is recommended.

Theoretical Consumption: 300 gr/m² @ 100 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.011" – 0.017"	1.80 mm	---	---
Pump Ratio	1 / 45	---	---	---
Air Pressure	4 – 6 Bar	3 – 5 Bar	---	---
Thinning	5 – 10% T-587	10 – 20% T-587	3 – 5% T-587	2 – 4% T-587

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	170	70	305
Dry Film Thickness (µm)	125	50	225

Drying Time@25°C

Dust Free Time	Dry to Handle	Fully Cured	Recoating Interval
3 – 5 Hours	8 – 10 Hours	Optimum mechanical resistances are obtained after exposure to approximately 250°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, 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: Clean tools thoroughly before and immediately after use with cleaning solvent T-111 or T-587.

PACKING, STORAGE AND SAFETY

Packing	6 Litres (5 kgs. Net) and 10 Litres (10 kgs. Net) Containers.
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.