

Special Silicone-based heat-resistant coating with excellent adhesion and heat resistant properties.

USES AND SUITABLE PRIMERS

Recommended Uses	Intermediate and finish coat in heat-resistant protective coating systems which are subjected to high thermal stresses up to 550°C.
Suitable Primers	Zinc Silicate primers, Zinc Silicone primers, RTB-909 Ronass or other heat-resistant primers.

CHEMICAL COMPOSITION

Type of Binder	Special Pure Silicone Resin	Solid Content	White Aluminum	Pure White	Signal Black
Number of Component(s)	1 Component	By Weight	55 ± 1%	70 ± 1%	65 ± 1%
Curing Mechanism	Thermosetting	By Volume	42 ± 1%	48 ± 2%	48 ± 2%
Flash Point	20°C (68°F)				

PHYSICAL PROPERTIES

Finish	Semi gloss
Colour	White Aluminum (RAL-9006), Pure White (RAL-9010), Signal Black (RAL-9004)
Specific Gravity	1.10 ± 0.05 gr/cm ³ (White Aluminum) 1.45 ± 0.05 gr/cm ³ (Pure White) 1.35 ± 0.05 gr/cm ³ (Signal Black)
Heat Resistance	Continuous Service: 550°C Non-Continuous Service: 650°C

*Please note that this coating's colour and Gloss may changed when subjected to high temperatures. These minor changes do not effect the resistance and anti corrosive characteristics of the coating paint 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 priming with RTB-1222-R (Ronass Inorganic Zinc Primer), RTB-585 (Ronass Heat-Resistant Primer), or RTB-909 (Ronass Heat-Resistant Primer) is recommended.
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Theoretical Consumption 90-120 gr/m² @ 40 Microns DFT

Paint Application	Methods	Airless Spray	Air Spray
	Nozzle Size	0.009" – 0.011"	1.60 mm/1.80 mm
	Pump Ratio	1 / 28	---
	Air Pressure	4 – 6 Bar	3 – 4 Bar
	Thinning	5 – 10% T-587	10 – 20% T-587

Film Thickness		White Aluminum	Pure White	Signal Black
	Wet Film Thickness (µm)	60 – 80	80 – 100	80 – 100
	Dry Film Thickness (µm)	30 – 40	40 – 50	40 – 50

Drying Time	Dust Free Time	Dry to Handle	Recoating Interval
	10 – 20 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 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.
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PACKING, STORAGE AND SAFETY

Packing	10 Litres Containers (10 kgs. Net) and 6 Litres Containers (5 kgs. Net) and 20 Litres Containers (20 kgs. Net)
Storage Conditions	To be stored in cool and dry conditions in original sealed containers.
Shelf Life	At least 18 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.