ZINC SILICONE PRIMER (UP TO 420°C)

RTB-585

Special one-component heat-resistant primer based on pure Silicone resin and metallic Zinc powder with excellent adhesion and heat-resistant properties.

USES AND SUITABALE TOP-COATS

Recommended Uses	Can be used as a Primer coat in heat-resistant protective coating systems for steel structures and metal surfaces which are subjected to high thermal stresses up to 420°C. This coating is also used as touch up material for Inorganic Zinc Primer coatings.
Suitable Top-Coats	RTB-1223 (Inorganic Heat-Resistant Coating) or other pure Silicone based coatings and heat-resistant enamels.

CHEMICAL COMPOSITION

Type of Binder	Specially Selected Silicone Resin	Solid Content	88 ± 1% By Weight
Number of Component(s)	1 Component		62 ± 3% By Volume
Curing Mechanism	Thermosetting		
Main Pigment(s)	Pure Zinc Powder	Flash Point	20°C (68°F)

PHYSICAL PROPERTIES

Finish	Matt
Colour	Grey
Specific Gravity	2.65 ± 0.10 gr/cm³
Heat Resistance	Continuous Service: 420°C

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: 215 gr/m² @ 50 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	3 – 5 Bar	3 – 5 Bar	---	---
Thinning	2 – 5% T-587	5 – 10% T-587	3 – 5% T-587	3 – 5% T-587

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	80	50	120
Dry Film Thickness (µm)	50	30	75

Drying Time@25°C

Tack 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 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: 10 Litres Containers (5 kgs. Net)

Storage Conditions: To be stored in cool and dry conditions in original sealed containers.

Shelf Life: At least 6 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.