RONASS SILOXANE COATING
RTB-1315 (A&B COMPONENTS)

Special high-build, two-component Siloxane-modified coating with excellent weathering, adhesion, ultra-violet radiation, and chemical resistances, as well as exceptional anti-corrosive properties. This Siloxane modified coating is an economic alternative to the traditional three coating protective systems, replacing the last two layers. Due to its excellent weathering resistance, especially in view of gloss and yellowing, the system can replace the performance of a polyurethane top-coat, while simplifying the application process.

USES

Recommended Uses	The coating can be used as a replacement for the intermediate and finish coats used on steel structures, maintenance operations, protective coating systems, pipelines, containers, offshore and marine structures.

CHEMICAL COMPOSITION

Type of Binder	Epoxy Polysiloxane – Polyamine	Solid Content After Mixing	90 ± 1% By Weight
Number of Component(s)	2 Components		80 ± 2% By Volume
Curing Mechanism	Chemical Reaction	Flash Point	28°C (82°F)

PHYSICAL PROPERTIES

Finish	Gloss
Colour	Wide range available according to the RAL colour system
Specific Gravityafter Mixing	1.50 ± 0.05 gr/cm³

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 using a suitable primer is recommended.
Mixing Ratio	Component A: 100 Parts by weight Component B: 10 Parts by weight
Mixing Instructions	Mix component A thoroughly with a suitable mixer, then add component B slowly and mix well for 5 minutes. Keep the mixture for 10 additional minutes prior to thinning down to allow for the pre-reaction time. Do not thin down each component separately.
Pot Life	2 Hours at 25°C
Theoretical Consumption	190 gr/m² @ 100 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.015" – 0.021"	1.80 mm	---	---
Pump Ratio	1 / 45	---	---	---
Air Pressure	3 – 5 Bar	3 – 5 Bar	---	---
Thinning	5 – 10% T-445	10 – 15% T-445	3 – 5% T-445	3 – 5% T-445

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	125	75	185
Dry Film Thickness (µm)	100	60	150

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
45 – 60 Minutes	3 – 4 Hours	16 – 24 Hours	7 – 10 Days	Min. 16 Hours Max. 10 Days

**Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT*

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-445.

PACKING, STORAGE AND SAFETY

Packing	Component A: 20 Litres Containers (25 kgs. Net) and Component B(Hardener): 5 Litres Containers(2.5 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.