TWO-COMPONENT POLYURETHANE COATING

RTB-828 (A&B COMPONENTS)

An aliphatic polyurethane coating with excellent outdoor stability, durability, and remarkable mechanical, chemical, weather and excellent ultra-violet radiation resistances.

USES AND SUITABALE PRIMERS

Recommended Uses	Finish coat for protective coating systems, maintenance operations and primed metal surfaces.
Suitable Primers	Epoxy primers and intermediate epoxy coatings.

CHEMICAL COMPOSITION

Type of Binder	Polyester – Isocyanate	Solid Content After Mixing	65 ± 2% By Weight
Number of Component(s)	2 Components		48 ± 3% By Volume
Curing Mechanism	Chemical Reaction	Flash Point	28°C (82°F)

PHYSICAL PROPERTIES

Finish	Gloss
Colour	Wide range available according to the RAL and BS colour systems
Specific Gravity after Mixing	1.25 ± 0.05 gr/cm³
Thermal Tolerance	Min -40°C Max 95°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 and treatment with an epoxy primer and intermediate coating is recommended.

Mixing Ratio: Component A (Base): 100 Parts by weight Component B (Hardener RTB-828-B or RTB-9200) : 20 Parts by weight

Mixing Instructions: Mix component A thoroughly with a suitable mixer, then add component B slowly and mix well for 5 minutes. Do not thin down each component separately.

Pot Life: 4 Hours at 25°C

Theoretical Consumption: 130 gr/m² @ 50 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.009" – 0.013"	1.60 or1.80 mm	---	---
Pump Ratio	1 / 28	---	---	---
Air Pressure	4 – 6 Bar	3 – 4 Bar	---	---
Thinning	5 – 10% T-849	15 – 25% T-849	3 – 5% T-849	---

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	125	85	145
Dry Film Thickness (µm)	60	40	70

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
1 – 2 Hours	6 – 8 Hours	12 – 16 Hours	5-7 Days	Not Applicable

**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-849.

PACKING, STORAGE AND SAFETY

Packing	Component A (Base): 20 Litres Containers (25 kgs. Net) and Component B (Hardener): 6 Litres Containers (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.