2K POLYURETHANE CLEAR COAT
RTB-878 (A&B COMPONENTS)

Two-component polyurethane clear coat with excellent adhesion, outdoor stability, durability, and great chemical, weather and ultra-violet radiation resistances

USES AND SUITABALE PRIMERS

Recommended Uses	Finish coat for maintenance operations, protective coating systems and primed metal surfaces. This coating also provides a great finish and excellent protection against U.V. radiation when used as an automotive clear coating
Suitable Primers	Epoxy primers and polyurethane coatings.

CHEMICAL COMPOSITION

Type of Binder	Acrylic – Isocyanate	Solid Content After Mixing	42 ± 1% By Weight
Number of Component(s)	2 Components		35 ± 1% By Volume
Curing Mechanism	Chemical Reaction	Flash Point	28°C (82°F)

PHYSICAL PROPERTIES

Finish	Full Gloss
Colour	Clear
Specific Gravity after Mixing	0.94 ± 0.03 gr/cm³

APPLICATION DETAILS

Surface Preparation	All oil, grease, dirt and other contaminants must be removed from the surface. Surface preparation according to the surface condition and treatment with a proper primer and intermediate coating is recommended.
Mixing Ratio	Component A: 100 Parts by weight Component B (Hardener RTB-878-B or RTB-9200) :50 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 5 additional minutes prior to thinning down to allow for the pre-reaction time. Do not thin down each component separately.
Pot Life	6 Hours at 25°C
Theoretical Consumption	160 gr/m² @ 60 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.009" – 0.011"	1.60 or1.80 mm	---	---
Pump Ratio	1 / 28	---	---	---
Air Pressure	4 – 6 Bar	3 – 5 Bar	---	---
Thinning	5– 1% T-849	15 – 20% T-849	3 – 5% T-849	---

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	115	40	140
Dry Film Thickness (µm)	40	15	50

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
20 – 40 Minutes	1-2 Hours	6-8 Hours	3-5 Days	Min. 16 Hours Max. 7 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-849.

PACKING, STORAGE AND SAFETY

Packing	Component A (Base): 10 Litres Containers (6 kgs. Net) and Component B(Hardener): 5 Litres Containers (3 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.