TWO-COMPONENT EPOXY COATING
RTB-777 (A&B COMPONENTS)

Two-component epoxy coating with excellent adhesion , chemical, moisture and mechanical resistances.

USES AND SUITABALE PRIMERS

Recommended Uses	Intermediate and finish coat for maintenance operations and metal surfaces.
Suitable Primers	Can be used as a single coating system on bare metal or applied on a suitable epoxy primer.

CHEMICAL COMPOSITION

Type of Binder	Epoxy – Polyamide	Solid Content After Mixing	70 ± 2% By Weight
Number of Component(s)	2 Components		50 ± 1% By Volume
Curing Mechanism	Chemical Reaction	Flash Point	28°C (82°F)

PHYSICAL PROPERTIES

Finish	Full gloss
Colour	Wide range available according to the RAL colour system
Specific Gravity after Mixing	1.40 ± 0.05 gr/cm³

APPLICATION DETAILS

Surface Preparation	All oil, grease, dirt and other contaminants must be removed from the surface. Chemical treatment or sandblast according to the surface condition, and treatment with a suitable primer is recommended.
Mixing Ratio	Component A: 100 Parts by weight Component B: 25 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 pre-reaction time. Do not thin down each component separately.
Pot Life	6 Hours at 25°C
Theoretical Consumption	140 gr/m² @ 50 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.011" – 0.015"	1.80 mm	---	---
Pump Ratio	1 / 45	---	---	---
Air Pressure	4 – 6 Bar	3 – 5 Bar	---	---
Thinning	5 – 10% T-445	10 – 20% T-445	2 – 4% T-445	2 – 4% T-445

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	100	50	150
Dry Film Thickness (µm)	50	25	75

Drying Time@25°C

Surface Drying Time	Hard Dry	Complete Curing Time
1 – 2 Hours	16 – 24 Hours	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(Epoxy): 20 Litres Containers (20 kgs. Net) and Component B(Hardener): 10 Litres Containers (5 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.