RONASS HIGH-BUILD M.I.O. EPOXY COATING
RTB-798-R (A&B COMPONENTS)

Special two-component high-build epoxy coating with excellent adhesion and mechanical resistances. Due to the special shape of M.I.O. flakes, this coating has also exceptional chemical resistance and anti-corrosive properties as well.

USES AND SUITABALE TOP-COATS

Recommended Uses	Intermediate coat for protective coating systems and metal surfaces, or as a single coating system in maintenance operations. This coating can also be used as a primer.
Suitable Top-Coats	RTB-798 can be over-coated with a wide range of epoxy or polyurethane coatings.

CHEMICAL COMPOSITION

Type of Binder	Epoxy – Polyamide	Solid Content After Mixing	75 ± 1% By Weight
Number of Component(s)	2 Components		55 ± 2% By Volume
Curing Mechanism	Chemical Reaction	Flash Point	28°C (82°F)

PHYSICAL PROPERTIES

Finish	Matt
Colour	Dark Grey (Comparable with RAL-7012: Basalt Grey)
Specific Gravity after Mixing	1.52 ± 0.03 gr/cm³
Thermal Tolerance	Min -45°C Max 120°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 surface treatment with suitable primer is recommended.
Mixing Ratio	Component A: 100 Parts by weight Component B (RTB-9600): 15 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	4 Hours at 25°C
Theoretical Consumption	280 gr/m² @ 100 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.013" – 0.015"	1.80 mm	---	---
Pump Ratio	1 / 45	---	---	---
Air Pressure	4 – 6 Bar	3 – 5 Bar	---	---
Thinning	5 – 10% T-445	15 – 25% T-445	2 – 5% T-445	2 – 5% T-445

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	230	135	320
Dry Film Thickness (µm)	125	75	175

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Fully Cured	Recoating Interval
20 – 40 Minutes	1 – 2 Hours	4 – 6 Hours	10-14 Days	Min. 8 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 (25 kgs. Net) and Component B(Hardener): 4 Litres Containers (2.5 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.