SEMI-FLAT SYNTHETIC ENAMEL
RTB-684-R

Semi-flat synthetic enamel with excellent adhesion and outdoor stability.

USES AND SUITABALE PRIMERS

Recommended Uses	Intermediate and finish coat for steel structures and metal surfaces.
Suitable Primers	RTB-683-R (Special Synthetic Primer).

CHEMICAL COMPOSITION

Type of Binder	Modified Alkyd Resin	Solid Content	65 ± 1% By Weight
Number of Component(s)	1 Component		46 ± 2% By Volume
Curing Mechanism	Solvent Evaporation and Oxidation	Flash Point	28°C (82°F)

PHYSICAL PROPERTIES

Finish	Semi gloss
Colour	Sand Yellow (RAL 1002)
Specific Gravity	1.30 ± 0.05 gr/cm³
Heat Resistance	Continuous Service: 90°C
	Non-Continuous Service: 120°C

APPLICATION DETAILS

Surface Preparation: All oil, grease, dirt and other contaminants must be removed from the surface. Sandblast according to the surface conditions and treatment with suitable primer is recommended.

Theoretical Consumption: 140 gr/m² @ 50 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.009" – 0.013"	1.80 mm	---	---
Pump Ratio	1 / 28	---	---	---
Air Pressure	4 – 6 Bar	3 – 4 Bar	---	---
Thinning	5 – 10% T-411	15 – 20% T-411	3 – 5% T-411	3 – 5% T-411

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	110	65	150
Dry Film Thickness (µm)	50	30	70

Drying Time@25°C

Dust Free Time	Tack Free Time	Dry to Handle	Recoating Interval
30 – 45 Minutes	4 – 6 Hours	8 – 10 Hours	Min. 24 Hours Max. 14 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-411.

PACKING, STORAGE AND SAFETY

Packing: 20 Litres Containers (25 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.