FLAT SYNTHETIC ENAMEL
1100 – 1160

Ronass Flat Synthetic Enamels are based on alkyd resins and offered in a wide range of colours. These products provide excellent hiding power, flow and brushability, as well as excellent stability and durability with no yellowing and chalking. This product group complies with National Iranian Standard ISIRI-2225. (Certificate No. 8604326794)

USES AND SUITABALE PRIMERS

Recommended Uses	Intermediate and finish coat for decorative coating systems on steel, wood, concrete and plaster surfaces.
Suitable Primers	Alkyd primers, pure or modified chlorinated rubber primers, synthetic primers, epoxy primers and cellulosic primers.

CHEMICAL COMPOSITION

Type of Binder	Alkyd Resin	Solid Content	White / Light Colours	Black / Dark Colours
Number of Component(s)	1 Component	By Weight	76 ± 1%	70 ± 1%
Curing Mechanism	Solvent Evaporation and Oxidation	By Volume	59 ± 1%	53 ± 1%
Flash Point	38°C (100°F)			

PHYSICAL PROPERTIES

Finish	Matt
Colour	Wide range available according to the Ronass colour catalogue.
Specific Gravity	1.42 ± 0.015 gr/cm³ (White / Light Colours) | 1.32 ± 0.015 gr/cm³ (Black / Dark Colours)

APPLICATION DETAILS

Surface Preparation

Concrete, Cement and Chalk Surfaces: All oil, grease, dirt, salts and other contaminants must be removed from the surface using fresh water or acid-washing. Rid the surface of any old paint that may have been applied, and use a suitable varnish to fill any cracks.

Wood Surfaces: All oil, grease, dirt, old paint and other contaminants must be removed from the surface. Sand the surface to achieve the desired roughness and apply 1 to 2 layers of a suitable sealer to better protect against water and improve adhesion. After the sealer has dried, sand the surface to ready it for paint application.

Steel Surfaces: All oil, grease, dirt and other contaminants must be removed from the surface. Use a sanding machine or wire brush if necessary, and use of a suitable primer such as 555 (Grey Synthetic primer) or 919 (Ronass Anti-Rust primer) is recommended.

Theoretical Consumption

120 gr/m² @ 50 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	---	---	---	---
Pump Ratio	---	---	---	---
Air Pressure	---	---	---	---
Thinning	5 – 10% T-411	10 – 20% T-411	3 – 5% T-411	3 – 5% T-411

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	100 – 115	50-60	150 – 170
Dry Film Thickness (µm)	60	30	90

Drying Time@25°C

Surface Drying Time	Thorough Drying Time	Dry to Handle	Recoating Interval
3 – 4 Hours	12 – 16 Hours	24 Hours	After 24 Hours

**Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT*

Application Limits

Relative Humidity	Min. ---	Max. 85%
Temperature	Min. +10°C	Max. +45°C
Substrate Temperature*	Min. +10°C	Max. +50°C

**Please note that the substrate temperature should be at least 5°C above the dew point*

Recommendations

Clean tools thoroughly before and immediately after use with cleaning solvent T-111 or T-411.

PACKING, STORAGE AND SAFETY

Packing	QU: 1 Litre Containers (1.350 kgs Net) | Gall: 4 Litres Containers (5.400 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.