# RONASS ROAD MARKING TRAFFIC PAINT

RTB-787

RTB-787 is a special one-component thermoplastic traffic paint that provides excellent performance in application range of 400-800 µm and 500-1000 µm. This coating provides excellent adhesion to concrete and asphalt substrates, exhibits exceptional resistance against abrasion and can be applied in a variety of weather conditions.

## USES

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| Recommended Uses | Thermoplastic traffic paint used for road markings and identification marks. |

## CHEMICAL COMPOSITION

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|---|---|---|---|
| Type of Binder | Thermoplastic Acrylic Resin | Solid Content | 70 ± 2% By Weight |
| Number of Component(s) | 1 Component | | 47 ± 2% By Volume |
| Curing Mechanism | Solvent Evaporation | Flash Point | 19°C (66°F) |

## PHYSICAL PROPERTIES

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|---|---|
| Finish | Flat |
| Colour | Pure White (Comparable with RAL-9010) and Yellow (Comparable with BS-381-C-355). |
| Laminance Factor (Refrences: BS EN 1871) | White(Classification: LF7 Laminance Factor β≥90%) Yellow (Classification: LF2 Laminance Factor β≥55%) |
| Specific Gravity | 1.50 ± 0.05 gr/cm³ |

## APPLICATION DETAILS

Surface Preparation: It is recommended to remove all oil, grease, dirt and other contaminants from the surface. Surface cleaning and preparation can be completed using high pressure hydro and air blasting systems. Furthermore, it is suggested that any lose layers of previously applied paint be removed prior to application.

Theoretical Consumption: 640 gr/m² @ 200 Microns DFT | 260 grams per traffic line (1 m length, 16 cm width) @ 500 Microns DFT

Paint Application

| Methods | Airless Spray | Air Spray | Brush | Roller |
|---|---|---|---|---|
| Nozzle Size | 0.017" – 0.027" | 1.80 mm | --- | --- |
| Pump Ratio | 1 / 68 | --- | --- | --- |
| Air Pressure | 4 – 7 Bar | 3 – 5 Bar | --- | --- |
| Thinning | 8 – 15% T-805 | 10 – 20% T-805 | 5 – 10% T-805 | 3 – 5% T-805 |

Film Thickness

| | Recommended | Minimum | Maximum |
|---|---|---|---|
| Wet Film Thickness (µm) | 850 | 215 | 1275 |
| Dry Film Thickness (µm) | 400 | 100 | 600 |

Drying Time@25°C

| Surface Drying Time | Thorough Drying Time | Dry to Go |
|---|---|---|
| 5 – 10 Minutes | 10 – 15 Minutes | 15 – 20 Minutes |

**Drying time is directly proportional to film thickness and indirectly proportional to ambient temperature*

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: Clean tools thoroughly before and immediately after use with cleaning solvent T-111 or T-805.

## PACKING, STORAGE AND SAFETY

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|---|---|
| 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 12 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.<br>Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation. |