

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

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

CHEMICAL COMPOSITION

Type of Binder	Thermoplastic Acrylic Resin	Solid Content	70 ± 2% By Weight
Number of Component(s)	1 Component		48 ± 2% By Volume
Curing Mechanism	Solvent Evaporation	Flash Point	19°C (66°F)

PHYSICAL PROPERTIES

Finish	Flat
Colour	Pure White (Comparable with RAL-9010) and Yellow (Comparable with BS-381-C-355).
Luminance Factor (References: BS EN 1871)	White(Classification: LF7 Luminance Factor $\beta \geq 90\%$) Yellow (Classification: LF2 Luminance Factor $\beta \geq 55\%$)
Specific Gravity	1.47 ± 0.03 gr/cm ³

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 loose layers of previously applied paint be removed prior to application.

Theoretical Consumption 610 gr/m² @ 200 Microns DFT | 125 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)	835	210	1250
Dry Film Thickness (µm)	400	100	600

Drying Time	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

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. Protect skin, eyes, and avoid prolonged breathing of solvent vapor during application. Use with adequate ventilation.