



## Product description:

MANDEGAR TP is a hot-melt thermoplastic road marking paint. It is a powder mixture designed based on hydrocarbon resins C5, glass beads, mineral fillers, pigments and special additives. Among the distinctive features of this product, we can mention high durability, good light reflection, and great flexibility.

Spray (Thin layer) : Mandegar TP-S

Extrusion (Thick layer) : Mandegar TP-EX

## Application:

- Axial marking on urban and rural highways and roads
- Transverse alarms

## Applicable surfaces :

- Asphalt
- Concrete (not suggested)

## • Surface preparation :

- The surface must be completely clean, dry and free from dust, oil and grease.
- Any loose particles on the surface should be removed.

## Storage:

This product should be stored in standard conditions (temperature 25 °C) and in dry, cool conditions and away from direct sunlight. The warehouse for storing this product should have a proper ventilation system and be away from heat and combustion sources. If the above-mentioned cases are observed, the expiration period of this product is 12 months after production.



## TRAFFIC PAINT – THERMOPLASTIC PAINT

Product feature	Quantity	Standard
Color	White, yellow	EN 1871
Density (gr/cm3)	1.9 – 2.35	BS 3262
Softening point (°C)	90 - 110	ASTM E28
Impact resistance	Min 6 from 10	EN 1871
Thermal stability of 6 (hours)	Yellow index Max 15	EN 1871
UV Resistance (hours)	480	EN 1871
Brightness factor (reflection) 45°	White: Minimum 80	EN 1871
	Yellow: Minimum 50	
Abrasion test after 1000 rounds with cs-10 abrasive and 1 kg weight	Maximum 100 mg	ASTM D4060
Resistance to solvents and fuels	No damage and blistering	ASTM D2792

## Application method:

- In order to apply this paint, it is necessary to heat the product inside a special heating tank to a temperature of (spray (TP-S) : 220, extrusion (TP-EX) : 180) degrees Celsius. It is necessary that the heating tank is equipped with a suitable stirrer to obtain a homogeneous melt.
- Apply by spray method: minimum suggested thickness of 1500-2500 microns
- Apply by extrusion method: suggested thickness of minimum 2500 and maximum 6000 microns.
- Asphalt temperature during execution must be at least 10 degrees Celsius and at least 3 degrees Celsius higher than the dew point of the air. The moisture content of the substrate should not be more than 4% by weight. The coating should not be exposed to oil, chemicals or mechanical stress until completely dry.
- For better adhesion to the asphalt surface, it is recommended to use a special primer before applying the paint.

**LEGAL NOTES :** The information contained in this Technical Data Sheet is based on laboratory testing and practical experience. Actual performance may vary depending on substrate condition, application method, and environmental conditions. Users should test suitability before large-scale application.

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