



## Product description:

Two-component Cold Plastic Paint (98:2) : MANDEGAR 2K-CP(98:2S) and MANDEGAR 2K- CP(98:2EX) is two component spray/extrusion cold plastic road markings are designed and formulated based on methyl methacrylate. This paint consists of component A (paint 98%) and component B, a curing agent (peroxide paste 2%), which is added to component A during application and then applied by a special 98:2 spray/extrusion device.

**Two-component Cold Plastic Paint (1:1) :** MANDEGAR 2K-CP(1:1S) is two-component spray cold plastic road markings are designed and formulated based on methyl methacrylate which is consists of components A and B, in the form of paint and component C, a curing agent (peroxide powder) which are added to component B during application, and then applied by a special 1:1 spray device. One of the unique features of this paint is its very good abrasion resistance, excellent durability and insensitivity to temperature conditions during application. Another important feature of this paint is the possibility of applying it in thin thicknesses.

## Application:

- Axial marking on highways and roads by screed method
- Axial markings on highways and roads, as well as transverse markings such as pedestrian blocks using the spray method.

## Applicable surfaces :

- Asphalt
- Concrete (it may require a primer for concrete)

## 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 5 - 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 6 months after production.



## TRAFFIC PAINT - 2-K COLD PLASTIC ( MACHINE )

Product feature	Quantity	Standard
Color	White, yellow, red, black (available in different colors)	ISIRI 21194
Viscosity (krebs)	Spray: 90 ± 5	ASTM D562
	Extrusion: over range	
Density (gr/cm3)	Spray: 1.65 ± 0.05	ASTM D1475
	Extrusion : 1.9 ± 0.05	
Gel time (minutes)	Maximum	ASTM D711
Complete drying time (minutes)	Maximum 30	ASTM D1640
Percent solids by weight (percent)	Maximum 98	ASTM D2369
Brightness factor (reflection) 45°	White: minimum 80	EN 1871
	Yellow: minimum 50	
Coverage (m2/lit)	Min 6,5	ASTM D2196
Abrasion test after 1000 rounds with cs-10 abrasive and 1 kg weight	Maximum 100 mg	ASTM D4060
Resistance to salt solution	No destruction and blistering	BS 6044
Resistance to solvents and fuels	No destruction and blistering	BS 6044

## Application method:

- Two-component spray paint: use with a special airless spray machine with the ability to adjust the ratio of 1:1 or 98:2 of components A and B, or use a roller or a hand gun to carry out transverse markings.
- Two-component extrusion paint: apply with a special extrusion machine with the ability to adjust the ratio of 98:2 of components A and B
- Recommended thickness for spray (thin layer) is 350-1000 microns and for extrusion (thick layer) is 1500-3000 microns.
- Asphalt temperature during application should be at least 10 degrees Celsius and at least 3 degrees Celsius higher than the dew point of the air. Also, 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.

**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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