



## Product description:

## TRAFFIC PAINT – TWO-COMPONENT EPOXY GLUE

MANDEGAR 2K-EPG is designed and formulated based on epoxy resin and special hardener to stick equipment and road signs to asphalt or concrete surfaces.

Due to the time limit in the implementation of traffic equipment, the drying time of the bottom of the adhesive while providing acceptable mechanical properties and adhesion, it is very important that with the special formulation of this product, taking into account all the desirable mechanical properties, the time Drying is greatly reduced.

The confirmation obtained from the Iran Road Administration and Road Transport Organization of the Ministry of Roads and Urban Development confirms this very important feature. Along with the main component (glue), another component called hardener is provided in liquid form, which will create very favorable physical and mechanical properties if these two components are completely mixed.

Product feature	Quantity	Standard
Color	Grey	
Mixing ratio (Part A by B)	100 to 8 (winter)	
	100 to 5.3 (Summer)	
Density (gr/cm3)	1.9 ± 0.1	ASTM D1475
Pot life time (minutes)	Maximum 20	ISO 9514
Complete drying time (minutes)	Maximum 60	ASTM D1640
Percent solids by weight (percent)	Minimum 98	ASTM D2369
Adhesion test(Pull off)	Minimum 2MPa	ASTM D7234

## Application:

- Attaching equipment and traffic signs (such as cat's eye) to the bottom

## Surface preparation :

- The surface must be completely clean, dry and free from dust, oil and grease.
- Concrete curing agents must be removed before implementation. Light sanding with suitable abrasives is recommended.
- 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 date of this product is 1 year after production.

## Implementation method:

- At first, component A and component B must be completely mixed according to the ratio stated on the product, and then the operator applies an appropriate amount of glue on the back of the cat's eye and fixes it on the asphalt with hand pressure.
- 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 and the humidity of the substrate should not be more than 4% by weight. Also, the coating should not be exposed to oil, chemicals or pressure 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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