

TRAFFIC MARKING Paint | **ET-00**

Traffic colors include cool traffic colors and warm traffic colors. Cool traffic colors are based on resin, acrylic thermoplastics, solvent base, and water base. They have strong adhesion and fast drying speed on cement surfaces. High resistance to moisture, acid, alkali, and water are prominent features of this product. Warm traffic colors are based on hydrocarbon resin and alkyd. This product is also known as warm thermoplastic traffic color. It is produced in powder and solid form, and the temperature should be increased to a certain extent before use.



Physical And Chemical Specs

Volume percentage of solids	52 ± 2%
Hue	Unlimited
Physical Form	Thick Liquid
Density	1.35±0.1gr/cm ³
Glossiness	Glossy Semi-Glossy
Paint Coverage	3.3 m ² /Lit
Surface Drying Time	1 hours
Full Drying Time	5 Days
Deep Drying Time	6-8 hours
Mix Percentage with Thinner	5 - 20 %
Impermeability	100 %
Application Temp	10-40 C

Packaging | 20 | KG

Specifications :

- High drying speed, high abrasion resistance
- Having suitable grading in color, excellent adhesion to asphalt and concrete
- No change in color with sunlight radiation, good resistance to water and weather.

Applications:

- Traffic lines and signs, streets, and public and private parking lots.

How to use:

Surface preparation: One of the most important factors in traffic paint is surface preparation. Surface preparation ensures that the traffic paint has the desired adhesion and durability. To prepare the surface, the following points should be considered:

Dryness of the surface: In order for the paint film to adhere to the surface, it is necessary for the surface to be free of any moisture. Otherwise, adhesion between the paint and the surface will not occur.

Cleanliness of the surface: The surface should also be free of any dust or dirt. For this purpose, surfaces are usually cleaned with compressed air before any painting.

Removal of other chemical substances: The presence of any chemical substances such as tar, oil, gasoline, etc. can cause a decrease in the durability properties of the traffic paint.

Filling defects and cracks: In some streets, there are cracks and unevenness on the surface, which not only increases the consumption of paint but also reduces adhesion and creates cracks in the paint film. Therefore, it is necessary to fix these defects and cracks as much as possible.

Use of primer: To increase the adhesion of traffic paints, special primers are used. These primers increase the durability of traffic paint. Application method: To apply traffic paint for drawing lines and signs, usually machines and marking equipment are used.

Usage method: After ensuring suitable weather conditions for applying traffic paint, attention should be paid to the surface conditions of the execution site, such as being free from moisture and any kind of dirt, dust, etc. For application, add thinner to the paint in a ratio of 5 to 10 percent (depending on the viscosity of the paint). After mixing, use a suitable line marking machine to apply the traffic paint with a thickness of about 100 microns. Manual methods are not recommended. During the execution, the paint thickness should be constantly controlled using a paint thickness gauge.

Storage

The suitable temperature for storing the Polyurethane Industrial Coating product is in 4 - 50 degrees Celsius. The useful life of this product is 12 months, provided that it is stored in a main container, away from moisture, freezing, extreme heat, and direct sunlight.

Safety

It is recommended to avoid continuous inhalation of the vapors of this solvent in enclosed spaces and, if possible, use appropriate safety equipment. In case of contact with the skin or eyes, wash thoroughly with water. This color is flammable and should be kept away from heat, sparks, and open flames.

! The suitable temperature for painting should be between 10-40 degrees Celsius. The surface temperature during painting should be at least 3 degrees Celsius above the dew point to prevent moisture accumulation, and the humidity should be maximum 80% at the surface. The working area should be free from ice and moisture.

Packaging

Traffic Marking Paint is produced and supplied in 20-kilogram buckets.

! Due to the affordable price, cool colors are used for single-lane traffic in secondary streets with less traffic. Additionally, the use of this product is recommended for line marking projects in private parking lots due to its cost-effectiveness and ease of implementation. Warm traffic colors are used in high-traffic projects that require longer durability. In large public parking lots, commercial complexes, and administrative buildings with high traffic volume, the above-mentioned product is used for traffic purposes.

