



TIME ROAD MARKING PAINT

دهانات تايم
TIME PAINTS

11000282

DESCRIPTION:

A special paint for ground markings for road traffic signals, of high quality, developed for use on concrete and asphalt surfaces. It is characterized by quick drying. Its manufacture is based on acrylic thermoplastic resins.

CHARACTERISTICS:

- Excellent resistance to abrasion and scratching.
- High flexibility and hardness.
- Excellent adhesion to concrete and asphalt surfaces. It can be used over layers of old paint.
- Quick drying.
- Excellent color fastness properties.

RECOMMENDED USE:

It is used as a ground marking paint for traffic signals on roads, terraces, and parking lots on concrete and asphalt surfaces. It can be used over layers of old paint, and it can also be used with or without glass beads as desired.

PHYSICAL CONSTANTS:

- Appearance: semi-glossy.
- Colour: Produced in white, yellow and black.
- Specific gravity: 1.33, ASTM D-1475.
- Viscosity: 84 Krebs units, ASTM D-562.
- Solid volume: 42%, ASTM D-5201.
- Layer thickness: The suggested thickness of the dry layer (190-200) microns per layer. It depends on the nature of the surface and implementation conditions.
- Diffusion rate: The theoretical diffusion rate is 2.2 m²/L, at a dry layer thickness of 190 microns.
- Flexural strength: Pass at 3 mm diameter, ASTM D-522.
- Adhesion strength: Pass, ASTM D-3359.
- Impact resistance: Pass, 1kg/1m/16.3mm diameter, ASTM D-2794.
- Water resistance: Pass, ASTM D-3359.
- Chemical resistance: Pass, ASTM D-3359.
- Flash point: 4°C.

DRYING TIME:

- Dry to the touch 15 minutes.
- Start of use (for traffic) 6 hours.
- Complete dryness for 16 hours.
- The time between coating two successive layers (minimum) is 16 hours.
- (Upper limit) without limitation

APPLICATION TOOLS:

- Pneumatic spraying:
- Dilution rate: (5 – 15)% by volume.
- Nozzle opening: (1.5 – 1.8) mm.
- Anaerobic spraying:
- Dilution ratio: (0-5)% by volume, at a dry layer thickness of (190-200) microns.
- Nozzle opening: (0.48) mm (approx).



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Brush/Roller:

- Pressure at nozzle: 150 bar / 2175 psi.
- Dilution ratio: (0 – 5)% by volume.

THINNER:

"Time Thinner 505"

APPLICATION GUIDE:

- Prepare the surface by cleaning it appropriately.
- Stir the paint well before use until it becomes homogeneous.
- Apply a layer of "Time Road Marking Paint".
- The paint must be stirred well until it becomes homogeneous before use.
- Dilute to the necessary degree of viscosity using "Thinner 505" diluent to obtain the appropriate viscosity for the application.
- Dust, oil, grease and other contaminants on the surface must be removed.
- Do not paint over wet surfaces until they are completely dry. In the case of concrete surfaces or asphalt surfaces that are not treated with sufficient pressure, there may be a risk of some cracks or peeling from the edges of the paint layer.
- Do not paint the next layer unless the previous layer is completely dry. A sufficient period of time must be given between the two layers, not less than the minimum time between coating the two layers.
- The temperature of the surface to be painted must not be less than 15°C, and the ambient relative humidity must not exceed 60%.
- To obtain a good reflection of light, an amount of glass beads can be sprinkled over the wet paint surface immediately after painting.

PACKING:

30 KG DRUM

SHELF LIFE:

In sealed container: 12 months in dry, cool and well ventilated place.

SAFETY PRECAUTIONS:

Please read and follow the health and safety instructions on the packaging as well as the warning instructions in the MSDS for this product

- The product must be handled with caution before and during application
 - Contact of the paint with eyes and skin or inhalation of its spray and vapors must be avoided during application
 - It is recommended to use the product in well-ventilated places or use artificial ventilation
 - The product must be kept out of the reach of children
- Please hand over leftover paint and surplus containers to any approved local entity for the purpose of use or recycling for the sake of environmental safety.

Note: Waste and empty containers are disposed of in accordance with local regulations specified in the Pollution Control and Environmental Protection Laws.