

Time Road Marking Paint

TI-57001

Description

A high quality fast drying road marking paint based on styrenated alkyd and chlorinated rubber. specially developed to be applied on asphalt and concrete surfaces.

Recommended Use

Recommended to use as a road marking paint, for runways, parking lots and pavements on asphalt and concrete surfaces. It can be used with or without glass beads.

Characteristics

- Excellent adhesion to asphalt and concrete surfaces.
- Excellent resistance to abrasion and scratch.
- High flexibility and hardness.
- Excellent color retention.
- Fast drying.

Certificates

Designed according to Federal Specifications TT-P-115E.

Physical Constants

Finish:	Sheen.	-
Color:	Yellow, white, Red (As per product catalog)	-
Volume Solid:	56.8%.	ASTM D2697
Viscosity:	85 KU @ 25°C	ASTM D562
Specific Gravity:	1.50	ASTM D1475
D.F.T:	250 - 300 µm each coat	-
Theoretical Spreading Rate:	2.27 m ² / ltr @250 µm DFT	-
Consumption of glass beads:	10-12.5 kg / Drum of "Time Road Marking Paint" approximately.	-

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Tests

Bending:	Pass, 3 mm. Diameter	ASTM D522.
Adhesion:	Pass	ASTM D3359.
Impact	Pass, 1 kg. / 1 meter / 16.3 mm.Diameter	ASTM D2794.
Water Resistance:	Pass	ASTM D870.
Chemical Resistance:	Pass	ASTM D1308.
Flash Point:	4°C.	-
VOC:	380 g/ ltr.	-

Surface Preparation

- The surface must be treated by removing all forms release and protrusions to get a suitable surface for application.
- Remove old paint from surfaces completely.
- Make sure that the surface is clean , dry , free from dust, oil, grease, salt and mold.

Application Guide

- Paint should be stirred carefully before use.
- A suitable quantity of "Time Thinner 505". can be added to get reasonable viscosity for application.
- Do not apply on wet and moistened surfaces until get completely dry.
- For light reflection; addition of glass beads is recommended, which should be sprinkled into wet paint surface by the "dropon" method.

Application Conditions

- Application temperature should be more than (5°C) & maximum 40°C.
- Surface temperature should be at least (3°C) above dew point.
- Relative humidity: maximum 85%.

Application Tools

Air spray Recommended nozzle size: (1.5 – 1.8) mm.

Airless spray: Recommended nozzle size (0.015-0.021)

- Nozzle pressure: 15 MPa / 2175 psi.
- Spray angle : 40-80o

Roller : Recommended type: Soft and smooth woolen roller.

Brush : General / Normal type.

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Thinner

Time Thinner 505.

Thinning Ratio

- (5 - 10) % by volume for air spray applications.
- (0 - 2) % by volume for airless spray applications
- (0 - 5) % by volume for roller & brush applications.

Depends on the weather conditions at work place.

Painting System

- Apply one coat of "Time Road Marking Paint" according to recommendations.

Drying Time

- **Surface Dry** : 10 minutes.
- **Open to traffic** : 2 hours.
- **Hard dry** : 16 hours.
- **Recoating interval** : 2 hours. (minimum)

All above test results according to ASTM D5895@250C

Cleaning Tools

Time Thinner 505.

Packing

- US Gallon.
- Drum 18.00 Ltr.

Shelf Life & Storage

Shelf life : 12 months @ 25 °C.

Storage : The container should be kept in sealed, dry, cool, well -ventilated place and stored in accordance with national regulations.

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Safety Precaution

- Please read and follow the precautionary notices displayed on the container, and all caution statements on the MSDS of this product.
- Handle with care before and during use.
- During application of paint, contact of liquid paint with eyes, skin, inhalation of paint mist and paint vapour, should be strongly avoided.
- Recommended to use the product in well-ventilated area when applying the paint in insufficient ventilated areas, forced ventilation should be provided.
- Keep away from the reach of children.

For environmental safety : please donate the leftover paint and packaging to your local authorized institution for usage or recycling purpose.

Disclaimer

To the best of our knowledge the technical data listed herein is true and accurate up to publication date and is subject to change without prior notice. User must contact Al-Daman Building Materials Company to verify of any modifications before specifying or ordering the product. Thus, information given in this sheet is not intended to be exhaustive and any person using the product other than the recommendations in this sheet or without reverting to our Timepaints TSD, he should take his accountability in this connection.

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