

WATER BASED ROAD MARKING PAINT

PRODUCT DESCRIPTION

Colour: White, Yellow, Black, Red, Green

Finish: Matt to Semi-Gloss

A versatile and a cost effective water base road marking paint which is traffic resistant & can be made retroreflective by applying glass beads on to the wet surface. Free from toxic solvent & heavy metals or their compositions. Free from aromatic hydrocarbons.

AREA OF APPLICATION

Mainly recommended for traffic lane markings, highways at airport & at other low traffic areas. Also recommended for relining upon hot melt thermoplastics, alkyd and acrylic paints. Can be used to paint concrete surfaces with primer and asphalt surfaces can be marked without primer but ensure there should be no standing and bleeding water in asphalt surface. When used in high trafficked areas the marking must have hardened completely before the area is reopened for traffic. The paint is highly recommended for low traffic area.

TECHNICAL CHARACTERISTICS

| Parameter | AMITEK Result |
|--|---|
| Surface Dry | < 15 min. at 30 °C or above & relative air humidity max 60%. |
| No Pick up drying time | < 40 minutes |
| Luminance Factor | ≥ 0.84 for white ; ≥ 0.60 for yellow |
| Volume Solid | Approx 65% |
| Relative Density | 1.65 |
| Alkali Resistance | No deterioration of the surface observed |
| Accelerated Artificial Ageing | Variation in β < .05 (Luminance After ageing- Yellow- 55%, & White- 75%) |
| Recommended WFT per coat for traffic lines | 0.3 – 0.4 mm |
| Dry Film Thickness | At least 0.2 mm per coat |
| Theoretical Coverage | 0.45 Kg/m ² for 0.3 mm thickness |
| Bleed Resistance | variation in β <0.05 |
| Skid Resistance | More than 45 |
| Base Resin | Acrylic Resin |
| Hiding Power | 0.95 for white ; 0.9 for yellow |
| Paint Stability | variation in consistency < 5 KU without any sign of skinning or hard settlements |
| Flexibility | Don't show any flaking & cracking |

UNIQUE SELLING POINTS

- Drying time less than 15 minutes.
- Excellent Wear & Tear Resistance.
- Glass bead retention for longer time & higher reflectivity over its average lifespan.
- Superior exterior durability and dirt and pick up resistance.
- Environmental friendly, no toxic elements in composition.

STORAGE & STABILITY

12 months after delivery, when kept in tightly closed original packaging in a well – ventilated & covered place at a room temperature between 5 to 30°C, not directly on the floor and not in the vicinity of heating radiators. Material can show a tendency towards sedimentation during transport & storage. For industrial/ professional use only. Keep away from children. Refer to the MSDS sheet before use.

SURFACE PREPARATION

Before application, the surface shall be dry, clean, free from dust, loose particles, salt and grease or oil. Old markings must be checked before over marking. New bituminous surface shall be weathered 4 to 8 weeks before final application. Concrete road or road with poor bitumen has to be prepared with AMITEK Primer (0.2 kg/m²). If relining, make sure of the proper adherence and compatibility with pre- existing road marking. If applying over new concrete pavements, remove all curing agents & residue before to ensure correct adherence of the paint possible for proper adhesion. It's not recommended to apply this product on asphalt showing large stones (bigger than 2 cm). The application equipment selected should be grade 304 stainless steel or higher. The moisture content of the concrete surface should be checked and ensured to be below 6% when measured with a reliable moisture meter, such as the Sovereign Moisture Meter. The manufacturer will not be liable for failures of adhesion on any polished surface.

Air / Surface Temperature: 5°C to 45°C during application.

Rain Resistance: Rain should not fall 30 minutes prior to expiry of no pick up time. At high air humidity (> 75% Hrel), the time until safety is reached can be increased.


PACKAGING & SHIPMENT

- Packaging: 20 Ltr. Pails & 200 Ltr drums.
- Packaging properly labelled & marked.
- No dangerous good for transport.

DISCLAIMER:

The information above is believed to be accurate & represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use, handling and from contact. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way, Amitek Infra will be liable for any claims, losses, or damages of any third party or for lost any special, indirect, incidental, consequential or exemplary charge, however arising, even Amitek Infra has been advised of the possibility of such damages.

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