

## **TDS (NON-C5 RESIN BASED) AMITEK THERMOPLASTIC ROAD MARKING MATERIAL COMPLIES WITH BS/EN 1871 :2000 & 1436:2007**

Colour: White, Yellow  
Finish: Gloss / Matt

A versatile road marking paint with excellent day and night visibility & retro reflectivity which provides optimum balance between melt flow and flow resistance to achieve well defined lines as per the desired width & thickness. It has excellent wear resistance and adhesion on both asphalt & concrete surface. Our endeavour is to do continuous research and development of new product meets our customer's specification all climate conditions worldwide.

AMITEK Retro Reflective Thermoplastic Road Marking Paint complies with BS/EN 1871 :2000.& 1436:2007

### **AREA OF APPLICATION:**

Highly recommended where environment temperatures are high above 40 degree or less than 10 degree as the softening point is high. And where client is looking for longer life and pigment stability. Mainly recommended for traffic lane markings, roads, pavements, runways and airfields all over the country areas. Also can be used for relining on previous marks. Highly recommended where high thickness is needed to achieve. Can be used to paint concrete surfaces with primer and asphalt surfaces 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.

### **TECHNICAL CHARACTERISTICS:**

Parameter	AMITEK Result
Luminance	White min 80% yellow mini 50 %
Softening Point	≥110°C
Glass Beeds Percentage	20 % mini
Density	Mini 2
Aggregates plus pigments minus binder	78 % to 82 %
Alkali Resistance	No deterioration of the surface observed
Skid Resistance	More than 45
Binder	Non C5 Resin (Rosin Easter resin along with oils and polymers)
Binder Content	Min. 18%
Flexibility	Don't show any flaking & cracking
Glass Beeds gradation	As per BS 6088 Class A

### **UNIQUE SELLING POINT:**

- Whiteness & retroreflective.
- Fast drying thus good flow resistance.
- Heat, colour stability & high skid resistance.
- Adaptable to any type of road.
- Cost effective & provides value for money.
- Nontoxic and environmental friendly.

### **PACKAGING & SHIPMENT:**

- Packaging: 25 KG PP bags.
- Packaging properly labelled & marked.
- No dangerous good for transport.

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## **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/m<sup>2</sup>). 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. 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 65% 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 40°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..

## **APPLICATIONS:**

Heat the material to 210-215°C in the pre-heater till it transforms into a homogenized liquid. Ensure that the primer is thoroughly dry and void of solvent prior to application of the thermoplastic material. Ensure temperature of 210-215°C and adequate agitation during application. Change in colour indicates that the material has scorched owing to overheating and needs to be discarded. Application machines must be cleaned immediately after use with clean water.

Glass Bead Application: 5 kg/m<sup>2</sup> glass beads are required to be dropped onto the paint immediately after paint applied. The glass beads should comply BS 6088 Class B & should be of specified diameter.

## **STORAGE AND 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.

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## **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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