

### Description

**ShaliMark®** is a hot applied, petroleum resin based, thermoplastic road marking paint, which offers superior weathering resistance and colour stability. The pre-mix and drop-on glass beads ensure long lasting retro-reflectivity. It is easy to melt and can be applied on both asphalt / concrete surfaces.

### Approvals / Standards

Conforms to BS 3262 and MoRTH 803.4

### Product Information

<b>Colour</b>	White & Golden yellow
<b>Handling &amp; Storage</b>	Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
<b>Packaging</b>	Available in 30 kg HDPE pack.
<b>Shelf Life</b>	12 Months from the date of manufacture when maintain in protected storage in original unopened sealed condition at 5 - 38°C.
<b>Handling Precautions</b>	As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

### Technical Characteristics

Colour	White & Yellow	Flow Resistance, %	< 25
Specific gravity	2 ± 0.02	Flash Point, °C	270
Softening Point, °C	102 ± 9.5	Drying Time, minutes, Max.	15
		Yellowness Index for White	< 0.05
Luminance @ 45°C	>85%	Theoretical Coverage*, kg / m <sup>2</sup>	4.00 - 4.50
• For White	>65%		
• For Yellow		• For 2.5 mm thickness	

\* May vary depending on surface condition.

### Field of Application

- Applicable on bitumen / concrete pavement.
- Applicable on Zebra Crossing, path dividers, speed breakers, arrows and other similar markings.

### Advantages

- High visibility / durability / adhesion / skid resistance
- Fast drying properties
- Superior color brilliance
- Environment friendly
- Economic

### Application Information

- ✓ **Substrate Temperature** +5°C Min / +40°C Max
- ✓ **Ambient Temperature** +5°C Min / +40°C Max
- ✓ **Humidity** < 80%

## Application Methodology

### ➤ Surface Preparation

- Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air.
- Ensure that,
  - The surface is fully cured, clean, structurally sound and dry.
  - Removal of any pre-existing line prior to apply **ShaliMark**<sup>®</sup>
  - In case of new concrete road, ensure that it is at least 28 days old.
  - There should not be any standing water in areas of application.

### ➤ Material Preparation

- Heat the material to 180 - 200°C in a preheater with adequate agitation till the material becomes homogenized liquid.

### ➤ Application of Material

- Pretreat the entire concrete surface with a tack coat. We recommend applying **ShaliPrime**<sup>®</sup> **SM** to dry surface by brush @ 10 - 12 m<sup>2</sup> / L. Allow the primer to dry to reach touch-dry condition.
- Ensure to lay uniform finish lines free from streaks.
- Apply melted **ShaliMark**<sup>®</sup> within the reference lines by the application unit.
- Dispense **Type II Drop-On** glass beads (BS 6088) from the in-built dispenser of application unit @ 250 - 300 gm / m<sup>2</sup> simultaneously.
- These beads provide initial retroreflection.

## Precautions

- Thermoplastic road marking should only be applied with specialized equipment for coating traffic lines.
- Thermoplastic markings are usually only economical when larger quantities are involved and must be applied by trained and skilled personal.
- Do not heat the material above 220°C at any point of time.
- Change in colour indicates that the material has been scorched owing to overheating and needs to be discarded.

## Value base of product data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

## Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- Avoid contact with eyes and skin.
- Minimize dusting of the material during use
- Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Ensure that there is adequate ventilation in the area where the product is being applied.
- Do not breathe in vapour or spray mist.
- Keep away from sources of ignition.
- In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, wash with soap and plenty of water. Get medical attention if irritation develops or persists.



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#### Product Range

- Waterproofing and Insulation
- Road Surfacing
- Sealants and Additives
- Pipeline Coating
- Protective / Anti-Corrosive Coating
- Epoxy Flooring
- Grouts / Admixtures
- RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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