



## PolyMark

Thermoplastic Road Marking Paint

### DESCRIPTION

PolyMark is a hot applied thermoplastic road marking paint. It is a petroleum resin based thermoplastic material, which offers superior weathering resistance and colour stability. PolyMark is easy to melt and can be applied on both asphalt and concrete surface. It has excellent wear resistance to ensure long life of the marking.

### TECHNICAL DATA

Colour	White, Black & Yellow	Flow Resistance	Not more than 25%
		Flash Point	270 °C
Softening Point	102 ± 9.5 °C	Drying Time	Max 15 minutes
Luminance 45 °C For White For Yellow	> 85% > 65%	Yellow Index For White For Yellow	< 0.05 Nil
Theoretical Coverage	5 kg/m <sup>2</sup> at 2.5 thickness	Crack Resistance	Nil

\* May vary depending on edge and surface condition.

### APPLICATIONS

- Applicable on bitumen and concrete pavement with screed / spray type applicator
- Applicable on Zebra Crossing, path dividers, speed breakers and other such road markings

### ADVANTAGES

- Outstanding visibility
- High durability
- Excellent adhesion
- High skid resistance
- Product stability
- Superior colour brilliance
- Fast drying properties
- Environment friendly
- Cost effective



## **APPLICATION METHODOLOGY**

- Remove dust, flakes, lime, distempers, oil / grease or other foreign particles by jet or dry air and clean the surface. Minimize dusting of the material during use
- Ensure that surface is sound, firm and bone dry. Apply PolyPrime SM in case of concrete roads. Add one bag of PolyMark in pre-heater and allow it to melt
- Keep on adding PolyMark one bag at a time and allow it to melt before adding another bag, depending upon the capacity of pre-heater. Do not allow temperature to rise beyond 210 °C. Ideally PolyMark melt between 180 – 210 °C
- Offload the hot melted PolyMark in application unit and keep on stirring it with in-built stirrer of application unit. Mark reference line on surface with nylon rope and chalk prior to application. Apply melted PolyMark with the reference lines by the application unit
- Type II drop-on glass beads (BS 6088) shall be dispensed from the in-built dispenser of application unit at 250 – 300 gms/m<sup>2</sup> simultaneously
- Finish lines shall be true to level, uniform and free from streaks. If the application can not be done using application unit, approved manual method shall be adopted
- Proper safety measures shall be taken to ensure smooth progress of work.

## **HEALTH AND SAFETY**

- Use mask, nose cover and hand gloves during application. Minimize dusting of PolyMark during use. Clean hands with warm soap water after application
- Clothing while handling the material is recommended
- Do not inhale PolyMark or fumes, do not ingest
- Avoid contact with eye. If contacted, wash copiously with water
- Contact of molten product with skin would lead to thermal burns, flush with cold water, do not remove material as it would lead to severe tissue damage.

## **PACKAGING**

Available in 25 kg HDPE bag.

## **STORAGE**

Must be stored in original packing at ambient temperature, dry place under shed away from heat.

## **SHELF LIFE**

If stored in original unopened sealed under the above conditions, it has a shelf life of 12 months.

