

# AR Prism Plus

## MORTH 803.4

### White / Golden Yellow

#### Introduction

AR Prism Plus is Retro - reflective Thermoplastic Road Marking Material Conforming to M.O.R.T.H. 803.4 guidelines, India

#### Features

- Retro-reflective thermoplastic road marking material with excellent whiteness
- Conforms to M.O.R.T.H 803.4 guidelines, India. Designed for tropical Indian conditions
- Based on aliphatic chemistry, offers superior weathering resistance and color stability Intermix glass beads offers long lasting retro – Reflectivity
- Optimal balance between melt flow and flow resistance to achieve well defined lines as per the desired width and thickness
- Excellent wear resistance and adhesion on asphalt roads
- Suitable for application with manual, screed/ extrusion automatic machines

#### Safety Information

- Minimize dusting of the material during use
- Use of personal protective equipment's like facemask, goggle, heat resistant gloves, safety shoes and protective clothing while handling the material is recommended
- Do not inhale product or fumes, do not ingest
- Avoid eye contact, 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
- Please refer our Material Safety Data Sheet prior to using the product

#### Specifications

Colour	White & Yellow
Composition	
Binder	Min 18 %
Glass Beads ( Intermix)	Min 30 %
Tio 2 (For White)	Min 10 %
Fillers (For White)	Max 42%
Softening Point	102.5 ± 9.5 °C
Glass Bead(Intermix )	Type I MORT & H/ BS 6088A
Yellowness Index (For White)	Not More than 0.12
Drying Time	Max 15 minutes
Drylight Luminance@45°	
White	Min.70%
Yellow	Min.50%
Flow resistance	Not more than 25%

## Directions For Use

- Heat the material to 180 - 200°C in the pre - heater with adequate agitation till the material becomes a homogenized liquid
- Ensure that the road surface is clean, free from dust and moisture
- Heavy deposits of paint require removal
- For aged asphalt roads and concrete roads application of material, a primer coat is recommended for proper bonding of the material with the road surface
- Ensure that the primer is thoroughly dry and void of solvent prior to application of the thermoplastic material
- Ensure temperature of 180 - 200°C and adequate agitation during application
- Do not hold thermoplastic above 180°C for more than 6 hours
- Do not heat the material above 220°C at any point of time. Maximum safe Heating Temperature 215 ±5 °C
- Change in color indicates that the material has been scorched owing to overheating and needs to be discarded
- Drop - on glass beads must be immediately deposited after thermoplastic application

## Packaging

25 Kgs HDPE Bags

## Storage

A minimum shelf life of 12 months when stored in a cool, dry and covered place