

TECHNICAL DATA SHEET

Road Marking Thermoplastic Paint

PROUDUCT

Road Line Road Marking Thermoplastic Paint AASHTO M 249

Manufacturer

ROAD LINE FACTORY

Egypt – Cairo – Obour city – Obour industrial city

CR:85595 – P.O BOX11828 Obour:1080-

Tel:+2(013) 2763287 Fax:+2(013) 2763286

sales@roadlineco.com – info@roadlineco.com – www.roadlineco.com

Description and Uses:

- Retroreflective Thermoplastic paint road marking material with excellent whiteness and Yellowness conforms to AASHTO M 249 standards
- Based on aliphatic chemistry, offer superior weathering resistance and color stability
- Intermix glass beads offer long lasting retro reflectivity
- Excellent wear resistance and adhesion on asphalt roads
- Suitable for application with manual or screed / extrusion automatic machines

TECHNICAL DATA:

Composition	White	Yellow
Binder	Min. 18 %	Min. 18 %
Glass Beads (Intermix)	Min. 30%	Min. 30%
Pigment	Titanium Dioxide Min. 10 %	Lead chromate <5 %
Fillers	Max 42%	Max 42%
Softening Point	93°C-112°C	93°C-112°C
Yellow Index	-	Not more than 0.12
Drying time	Max. 10 Minutes	Max. 10 Minutes
Daylight LuminNCE@45°	Min 75%	Min 45%

Physical Properties:

- | | |
|-------------------|-----------------------------------|
| • Appearance | Powder |
| • Color | White / Yellow |
| • Flash point | above 235° C |
| • Skid resistance | > 45 |
| • Density | 1.90-2.10 gm / cm ³ |
| • Storage Life | one year under ambient conditions |

Application:

- Heat the material to 180°-200°C in the pre-heater with adequate agitation till it becomes homogenized liquid
- Ensure that the road surface is clean and free from dust and moisture
- Heavy deposits of paint require removal
- It can be applied by special spraying machines, screeding and extrusion machines
- Thermoplastic paint can be applied on asphalt or concrete

Safety information

- Minimize dusting of the material during using
- Use of personal protective equipment like facemask, goggles, heat resistant gloves 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 could lead to thermal burn, flush with cold water, do not remove material as it could lead to severe tissue damage

Storage:

- Stored in a cool, dry and covered place