

**TECHNICAL DATA SHEET****Road Marking Thermoplastic Paint****PRODUCT**

sarmac Road Marking Thermoplastic paint AASHTO M249

Manufacturersarmac 1 Safety Road Materials Co. , CPC Industrial compound, Zone (D) , Str. no. (2),
Factory no.(17), 6th October , Egypt –Tel. : +(202) 386 42007, Fax : + (202) 386 42008 -
P.O.Box : 105 / 12573.**Description and Uses:**

- Retroreflective Thermoplastic paint road marking material with excellent whiteness and yellowness conforms to AASHTO M249 standards
- Based on aliphatic chemistry, offers 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
Yellowness Index	-	Not more than 0.12
Drying time	Max. 10 Minutes	Max. 10 Minutes
Daylight luminance @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 is 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, goggle, 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 burns; 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.