

DAMAR THERMOPLASTIC ROADMARKING PAINT

Description

Damar Thermoplastic is a high quality reflectorised road Marking Material in the form of a granulated powder containing aggregates, pigments and extenders bound together with hydrocarbon resins and specialized polymers.

Pack Size

- 20Kg
- Item key: ARS0129, ARS1958

Features

- May be applied over existing thermoplastic
- Fast drying 3-10 min @ 25c
- Good adhesion
- Skid resistance
- Reflective ability

Properties

Resin System	Hydrocarbon resin specialized with polymer modification
Pigmentation	Titanium Dioxide, organic yellow pigments
Finish	Matt
Colour	White & Yellow
Dilution Rate	Use as supplied
Density(Kg/L)	White-1.95, Yellow -1.87
Volume Solids	100%
Number of Coats	Generally 1
Clean Up (Cooled and Hardened Material)	Thinners PF2 MEK or PF4 Toluene.

Performance / Limitations

- The road surface temperature should be above 5°C ideally existing markings should be removed prior to application. It is recommended to warm the road surface with the gas torch prior to application to improve adhesion especially when the ambient temperature is low.
- Damar Thermoplastic may be applied over existing thermoplastic markings provided that they are in sound condition.

Application

Prepare the surface before application; it should be dry, free from dust, dirt, grease or oil and any other detritus material.

- Place a few bags of product into the preheater, fitted with mechanical agitation and temperature control devices, and heat up to approaching the stated application temperature.
- When this initial material is molten the remainder of the preheater may then be filled (heating a small amount initially, increases the rate of heat transfer and reduces heating time for a full preheater of material).
- When the material has been brought to the recommended temperature, and has been thoroughly mixed, it can then be transferred to the application equipment.
- The melting temperature shall be properly controlled at 180-200°C for over 5 minutes. The melted liquid material shall be mixed sufficiently before pouring out

Maximum Safe Heating Temperature: 230°C	Recommended Application
	Sprayplastic: 230°C
	Extrusion: 180 - 210°C
	Vibraline: 170°C
	Screeding: 180°C

Approvals

- Conforms to the NZTA 2017 M7 CEI
ALO
- Conforms to the APAS 0041/4

Storage & Disposal

- Can be stored for 6 months in original sealed package. Product must be stored under cover in a cool dry place. Protect from frost.
- Dispose with care according to local regulations.

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Application

- Understand and carry instructions regarding treatment of burns
- Carry water specifically for the immediate treatment of burns
- Wear full length overalls and safety boots or shoes at all times
- Wear gloves and safety glasses / face shield when handling molten thermoplastic
- Ensure that heating vessels are free of excess water before commencing heating process
- Never operate heating systems while vehicle is moving
- Provide adequate ventilation during loading of pre- melters.
- Skin Protection: Wear overalls and gloves. Use face-shield where splashing may occur.
- Overalls must be safe at high temperature (e.g. cotton) safety boots must be covered to prevent entry of hot thermoplastic, gloves or gauntlets similarly need to be worn inside sleeves to prevent entry of hot thermoplastic.
- Eye Protection: Use full face-shield while transferring molten material and checking holding vessels.
- Inhalation: Should be handled and used in well ventilated areas
- If burnt, Do not attempt to remove any thermoplastic, cool the affected area with water, keep on cooling until medical aid is available, handle carefully, avoid disturbing the burn, remove belts and other constrictions, don't remove clothing, don't attempt to clean area, don't apply lotions or ointments, cover burns free from thermoplastic with clean lint free material, keep patient warm without touching burns with blanket. Seek medical help, ensure that they read Burns Card and understand treatment. Stay with patient. Treat patient for shock. Only give small amounts of liquids at frequent intervals.