

Pm2/02 HC Tackcoat**PRODUCT DATASHEET****High performance adhesion polymer / tackcoat for hot asphalt overlays****DESCRIPTION:**

Pm2/02 HC tackcoat is a polymer modified water based bitumen emulsion used in conjunction with the PmB spray applied waterproofing system for bonding with hot rolled asphalt or sand asphalt.

APPLICATIONS:

- Bonding to asphalt (HRA/sand asphalt)
- Concrete bridges/Steel or Masonry
- Used in conjunction with PmB waterproofing system in accordance with BBA Certificate 98/R101.

ADVANTAGES:

- Quick curing—Asphalt can be overlaid within 1-2 hours
- Product is less affected by high ambient temperatures (due to 95% softening point) unlike lower softening point bitumen's.
- Excellent bond to polyurethane and asphalt
- Meets with requirement of BD47/99 UK Highways Agency Standard for bonding to hot rolled asphalt or sand asphalt
- Applied by brush, spray or roller—good working properties
- Rainproof within 1 hour

TECHNICAL INFORMATION**Physical and Chemical Properties**

Solution of: Bitumen, Amines, Kerosene, Water

Appearance	Dark Brown Liquid
Flammability:	Not Applicable
Odour:	Mild
Auto Flammability:	N/A
pH:	Not Applicable
Explosive Properties:	UEL 8% Vol LEL 0.9% Vol
Boiling Point / Boiling:	>100°C Not to be heated above 90°C
Melting and Freezing Point Range:	0°C
Vapour Pressure:	As water
Relative Density:	Approx 1.0± 0.05
Flashpoint (°C):	N/A
Solubility (Water and Fat):	N/A

Do Not heat above 90°C. Protect from frost

SURFACE PREPERATION:

The surface of the PmB waterproofing system or aggregated key layer should be clean, dry and free of any loose contaminants prior to application of the Pm2/02/HC Tack coat.

The waterproofing layer or PmB binder and aggregates should be cured for a minimum of 2 hours cured before application.

If the membrane is contaminated it shall be cleared by jet wash or similar method prior to the application of the Pm2/02 HC Tack coat.

MIXING:

Single component.

Drums should be rolled vigorously and stirred before applying the Pm2/02 HC Tack coat.

APPLICATION INSTRUCTIONS:

Apply Pm2/02 HC to surface of PmB (all areas to receive hot asphalt) using soft brush or roller ensures the tackcoat has a uniform coverage.

Coverage is 0.3 – 0.5 Kg / m² dependent up on surface profile.

Where the Pm2/02 HC is applied over the PmB binder and aggregated key layer, the consumption is typically around 0.5kg/m²

Ensure that any bonding of material is removed to avoid water entrapment and 'skinning' of product.

Normal application temperature is minimum 4°C to 40°C. Higher temperatures may reduce curing time. Surface to be free of ice and frost before lying

Tack coat should be fully cured and dry to touch before laying asphalt.

The cured Tack coat should not be trafficked by any vehicle or pedestrians other than solely for the purpose of laying the asphalt.

Stored in unopened containers, under these conditions, the components have a shelf life of twenty four months.

OVERLAYING ASPHALT:

The Pm2/02 HC tackcoat must be fully cured and dry to touch prior to overlaying.

Asphalt vehicles shall not stand on the tackcoat or traffic the area until laying commences.

The minimum reactivation temperature of Pm2/02 HC is 120°C however due to the minimal thickness of some overlays such as sand asphalt this temperature should be exceeded by at least 20°C to achieve good bonding.

The TRL recommend 150°C as the minimum laying temperature to prevent cold spots during the laying process especially during the winter months.

APPLICATION CONDITIONS:

Minimum 4°C and rising as per UK Highways Agency guidelines.

Surface to be clean and free of water, frost, ice and other contaminants.

Waterproofing membrane to be 1-2 hours old.

Ensure drains or other outlets are blocked temporarily to prevent material from spilling beyond the works area.

PACKAGING:

Pitchmastic Pm2/02 HC Tack coat is supplied in 200kg, 60kg or 25kg drums.

STORAGE:

Handling: Ensure adequate ventilation

Storage: Should be stored under cover out of direct sunlight and away from sources of heat ignition. Protect from frost
Pm2/02 HC should be stored away from foodstuffs and out of reach of children.

HEALTH AND SAFETY:

Please refer to the product material safety data sheet for instructions on handling and safe application of the product.

TECHNICAL SUPPORT:

Through our technical department we can offer a comprehensive service to specifiers and contractors. Technical representatives are available throughout the UK, Northern and Southern Ireland and UK or worldwide via our Network of approved installers.

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