



Emulsiphalt® 374

Emulsiphalt 374 is a cationic, rapid-setting, polymer-modified bitumen emulsion specifically designed for use in chip sealing. It is formulated to break and build cohesion quickly and has a carefully balanced viscosity to minimise run-off. Emulsiphalt 374 is the ideal binder to use safely in place of hot applied PMBs such as Flexiphalt 340S.

Emulsiphalt 374 has superior adhesion to sealing chip compared to hot applied products, especially when using damp chip or when sealing in cooler weather.

WHERE TO USE

- High Stress Seals (HSS) in heavy traffic environments to reduce incidence of chip loss
- Steep gradients to reduce the likelihood of flushing and chip roll
- Strain Alleviating Membranes (SAM) for cracked or deflecting pavements in heavy traffic environments
- Pavements experiencing severe age or structural cracking
- In cooler climates where brittle binder failure would otherwise cause cracking or chip loss.

APPLICATION AND DESIGN

- Storage Life:** Up to 7 Days
- Storage Temperature:** 50–70°C
- Spraying Temperature:** 70–90°C
- Spray Rates:** 1.0–3.0 L/m²
- Air and Pavement Temperature:** 15°C and rising

- Only start spraying if no rain is forecast for at least the next 24, and preferably 48 hours
- Use clean chip and ensure early chipping and adequate and timely rolling
- Adjust for the water content of the emulsion when determining the spray rate
- Residual binder application rates for Emulsiphalt 374 are the same as for unmodified chip seals. Local experience, pavement, and traffic conditions must also be considered
- Although the pavement may be damp, Emulsiphalt 374 should only be applied to clean pavements that have no surface moisture present
- Consult the manufacturer if further guidance is required
- A Safety Data Sheet (SDS) is available upon request.



Typical Properties of Emulsiphalt 374

| Title | Method | Property |
|-----------------------------|---------------------------|--------------------------|
| Residual Binder Type | | Polymer Modified Bitumen |
| Binder Content | In-House Method NTM 02 | 74% |
| Brookfield Viscosity (70°C) | ASTM D4402 | 800 mPa.s |
| Median Particle Size | In-House Method | 8 micron |

For more information please contact:

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To the best of our knowledge the information contained in this document is correct. Since the products described herein are being continuously improved, the specified properties may vary as improvements are made to production processes and product quality. This document may be revised at any time.