

SAMIBOND 007

POLYMER-MODIFIED
NON-TRACKING TACK COAT

- Trackless properties
- High shear strength
- Fast curing



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FEATURES

Trackless properties

The cured SAMIBond 007 residue on the substrate does not pick up under the construction vehicle tyres during asphalt paving.

High shear strength

The heavy polymer modification of SAMIBond 007 establishes a significantly stronger bond between pavement layers compared to regular tack coats. This enhanced bond allows the pavement to function as a monolithic structure, greatly extending its lifespan.

Fast curing

The curing time of SAMIBond 007 is influenced by weather and surface conditions; however, it cures significantly faster than conventional emulsion tack coats.

DESCRIPTION

SAMIBond 007 is a cationic rapid-setting polymer-modified bitumen emulsion specially designed for use as a trackless tack coat for asphalt overlays in highly stressed and trafficked areas. This includes airport and main road pavements, particularly in locations that experience high shear forces during braking or accelerating of aeroplanes or trucks.

The trackless properties of SAMIBond 007 prevent the pickup of the fresh residual binder from the surface by the tyres of the asphalt trucks and pavers during construction. This is crucial for improving the performance of flexible or composite pavements and avoiding tracking fresh bitumen onto adjacent sites.

Various laboratory and field studies have demonstrated that SAMIBond 007 provides higher shear strength between pavement layers compared to conventional tack coats. This enhanced bonding allows the pavement layers to function as a monolithic structure and significantly improves fatigue performance.

The unique chemical composition of SAMIBond 007 enables faster breaking and curing times in comparison to conventional tack coats. This translates to higher productivity on paving job sites.

APPLICATIONS

To be applied as a high-performance tack coat on all milled or unmilled asphalt or concrete surfaces.

Especially for use on high-trafficked and high-stress roads and airfields.

TECHNICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES	INTERNAL SPECIFICATION
Residue from evaporation	%	AS/NZS 2341.23	>60	Min. 60
Viscosity at 25°C	mPa.s	AS/NZS 2341.4	70	50 – 200
Particle charge	-	AS/NZS 2341.22	Positive	Positive



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