

SAMIBIOPRIME

PETROLEUM SOLVENT-FREE FAST
PENETRATING BITUMEN EMULSION PRIME

- Fast penetrating prime coat
- Environmentally friendly
- Safe to use



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FEATURES

Fast penetrating prime coat

SAMIBioPrime swiftly penetrates bound/unbound compacted granular base courses, surpassing normal cutbacks, saving time and increasing efficiency.

Environmentally friendly

SAMIBioPrime is an environmentally friendly and low-carbon product, containing no petroleum solvents or VOCs, thus providing a greener alternative prime to the road construction industry.

Safe to use

SAMIBioPrime ensures a safe user experience as it eliminates the risk of explosion and inhaling harmful airborne substances, making it the prime of choice for construction projects.

DESCRIPTION

SAMIBioPrime is a cationic bitumen emulsion that is free of any petroleum solvent and contains special vegetable-derived oil sourced from renewable sources. SAMIBioPrime penetrates bound, or unbound granular compacted base courses much faster compared to conventional cutback primes. Depending on the weather conditions, it is possible to apply the next layer on the same day after SAMIBioPrime, eliminating the need to wait 2-3 days for curing. This significantly increases the productivity of delivering projects.

SAMIBioPrime has a much lower carbon footprint than cutback prime. By substituting normal cutback primers with SAMIBioPrime, the carbon footprint of pavement construction can be reduced.

Importantly it does not pose an explosion hazard for the people using it, and it is free from Volatile Organic Compounds (VOCs). This ensures the safety and health of the crews who work with it and reduces the risk of breathing-related diseases.

The bio-oil in the product will harden over time and will not cause softening of the bitumen in the next layer, which can occur with conventional cutback primes.

APPLICATIONS

As an environmentally friendly fast-curing prime it can be applied on bound or unbound compacted granular base courses beneath any bituminous layers such as spray seals, and various asphalt mixtures.

TECHNICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES	INTERNAL SPECIFICATION
Residue from evaporation (mass)	%	AS/NZS 2341.23	38	Min. 35
Viscosity at 25°C	mPa.s	AS/NZS 2341.4	8	Min. 3
pH	-	AS/NZS 2341.32	2.0	1.5 – 4.0



HEAD OFFICE

Street Address: 2, 3-5 Gibbon Road, Winston Hills, NSW 2153
Postal Address: PO Box 164, Winston Hills, NSW 2153
Phone: +61 2 9624 0101

SAMI.COM.AU