



SAMIGREEN RANGE

LOW CARBON POLYMER-MODIFIED BINDER
CONTAINING BIOGENIC MATERIALS

- **Minimized carbon footprint**
- **Equivalent engineering performance**
- **Enhanced sustainability**



SAMIGREEN RANGE

LOW CARBON POLYMER-MODIFIED
BINDER CONTAINING BIOGENIC MATERIALS

FEATURES

Minimized carbon footprint

SAMIGreen exhibits approximately 65% less carbon footprint than conventional PMB (in A10E grade), resulting in a significant reduction in the carbon footprint of asphalt and sprayed seal projects.

Equivalent engineering performance

SAMIGreen can be produced in any grade and has identical engineering characteristics to conventional PMBs such as A10E, A15E, S25E, and S20E.

Enhanced sustainability

SAMIGreen promotes enhanced sustainability through its use of renewable and eco-friendly resources.

DESCRIPTION

SAMIGreen Polymer Modified Binder range is an eco-conscious solution that aligns with our commitment to reducing the road industry's carbon footprint. This innovative product is formulated with a blend of various biogenic renewable resources by partially substituting a portion of petroleum bitumen. By doing so, SAMIGreen reduces its reliance on using fossil fuel-derived crude sources and lessens our impact on the environment.

This advanced PMB offers comparable performance to conventional PMBs and is manufactured to meet the stringent specifications of A10E and A15E as outlined in Austroads ATS3110.

However, what sets it apart is its carbon footprint is nearly 65% less than that of its conventional counterparts. Such a substantial reduction in carbon footprint can have a profound influence on curbing carbon emissions in road and airport construction projects.

The integration of renewable and eco-friendly resources conserves valuable non-renewable resources. Furthermore, as SAMIGreen is incorporated into asphalt pavement projects, it will play a crucial role in reducing the overall carbon footprint and achieving our long-term goal of a net zero carbon Industry.

APPLICATIONS

SAMIGreen can be used as a binder in all types of asphalt mixtures such as dense-graded (DG), open-graded (OG) and gap-graded (e.g., Stone Mastic Asphalt (SMA)) for both wearing and base courses. It can also be used as a binder for all types of spray seals and initial seals.

TECHNICAL PROPERTIES

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUES (A10E GRADE)	ATS 3110 SPECIFICATION (A10E)
Softening Point	°C	AGPT/T131	105	88-110
Consistency 6% at 60°C	Pa.s	AGPT/T121	1683	Min. 1000
Stiffness at 25°C	kPa	AGPT/T121	23.8	Max. 30
Torsional Recovery at 25°C	%	AGPT/T122	66	60-86
Viscosity at 165°C	Pa.s	AGPT/T111	0.8	Max. 1.1



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