Going further
— for better performing roads

PUMA Bitumen

OLEXOBIT® SAM

POLYMER MODIFIED BINDER
Sprayed Seal Applications

OLEXOBIT® SAM is an advanced sprayed seal binder, purposely designed to achieve excellent long-term aggregate retention under high traffic induced stress. It improves resistance against reflection cracking and is a strong holding treatment. The unique formulation and production process makes OLEXOBIT® SAM a product much praised by our customers for excellent workability and storage stability.

Key Benefits

Performance Benefits

- Superior early life aggregate adhesion
- Excellent long-term aggregate retention
- Improved resistance to reflection cracking, where there is a slow to medium rate of crack movement
- Strong holding treatment on low to medium trafficked roads

Application Benefits

- Less loose stone during construction reduces the need to broom
- Lower application rates than alternative PMBs
- Easy and safe to handle
- Low fuming compared to SBS PMBs – no more fumes than conventional Class 170
- Compatible with conventional spray equipment and cutters
- Excellent storage and travel stability

Typical characteristics

Property	Typical Value	Specification Limits	Test Method
Softening Point (°C)	51	48 – 56	AG:PT/T131
Torsional Recovery at 25°C (%)	20	16 – 32	AG:PT/T122
Viscosity at 165°C (Pa.s)	0.27	max. 0.55	AG:PT/T111
Consistency 6% at 60°C (Pa.s)	360	Report	AG:PT/T121
Stiffness at 15°C (kPa)	170	max. 180	AG:PT/T121
Segregation (%)	0.5	max. 8	AG:PT/T108

Specification

OLEXOBIT® SAM is manufactured to comply with Austroads AGPT/T190 and ATS-3110 S35E grade.

Storage & Handling

The storage of bituminous binders for prolonged periods at elevated temperatures should be avoided as quality may be adversely affected. Bituminous binders should be stored at the lowest temperature that enables practical use.

Maximum Storage Temperature Recommendations	
Storage temperature for up to 48 hours	**180-190°C**
Storage temperature for 7-14 days	**120-160°C**
Minimum pumping temperature	**150°C**
Temperature for spraying	**180-190°C**

Refer to AAPA Advisory Note 7 for further information

Health & Safety

For a full description of hazards associated with the use of bituminous binders, please refer to the appropriate safety data sheet (SDS) available on the Puma Bitumen website.

Quality assurance

Puma Bitumen is known in the industry for consistently delivering high quality products. Our products can be relied upon to perform under the most diverse and demanding road conditions in Australia. This is possible thanks to our innovative product technology, comprehensive quality assurance programmes, efficient operations and a sophisticated production process unique to Puma – all supported by our highly skilled and experienced staff.

The Puma Energy Global Bitumen Technology Centre based in Altona, Victoria, is where we conduct industry-leading research and development. It is also from here that we provide technical expertise and support to our customers throughout Australia and across the world. Our team of technical specialists is dedicated to ensuring our products are thoroughly tested at every stage – from the selection of crude oil at the start of the production process, right through to customer supply.

Our product stewardship and rigorous quality management practices reflect our commitment to delivering the highest quality products that perform on the road. Our dedication to quality is recognised by our accreditation to Australian Standard AS/NZS 9001.

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