

Going further
— for better performing roads



OLEXOBIT® S10E

POLYMER MODIFIED BINDER
Sprayed Seal Applications

OLEXOBIT® S10E is a polymer modified binder (PMB) that is designed for use in sprayed sealing applications for improved durability over unmodified binders and to alleviate the reflection of cracks on existing cracked surfaces where a SBS-modified binder is preferred.



Key Benefits

Performance Benefits

- Suitable for use in high stress steels (HSS) under medium traffic loading conditions
- Excellent resistance to reflective cracking.

Application Benefits

- Improved storage and travel stability over conventional SBS-modified binders
- Compatible with conventional spray equipment and cutters

Typical characteristics

Property	Typical Value	Specification Limits	Test Method
Softening Point (°C)	58	48-64	AG:PT/T131
Torsional Recovery at 25°C (%)	30	22-50	AG:PT/T122
Viscosity at 165°C (Pa.s)	0.35	max. 0.55	AG:PT/T111
Consistency 6% at 60°C (Pa.s)	450	min. 300	AG:PT/T121
Stiffness at 15°C (kPa)	100	max. 140	AG:PT/T121
Segregation (%)	0.5	max. 8	AG:PT/T 108

Specification

OLEXOBIT® S20E is manufactured to comply with Austroads AG:PT/T190 and ATS-3110 S10E 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 7 days	160 °C – 175 °C
Storage temperature for up to 14 days	145 °C – 155 °C
Minimum pumping temperature	150 °C
Temperature for spraying	180 °C – 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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