

Going further
— for better performing roads



OLEXOBIT® A10E

POLYMER MODIFIED BINDER
Asphalt Applications

OLEXOBIT® A10E is a high performance polymer modified binder (PMB) designed for the highest demand applications. It is used to create durable, rut and fatigue resistant asphalt for roads, freeways, airports and container terminals.



Key Benefits

Performance Benefits

- Superior resistance to rutting and fatigue
- Incorporation of high-quality polymers results in reliable and consistent performance

Application Benefits

- Improved storage and travel stability over conventional SBS-modified binders
- Low-fuming formula

Typical characteristics

| Property | Typical Value | Specification Limits | Test Method |
|--------------------------------|---------------|----------------------|-------------|
| Softening Point (°C) | 95 | 88 – 110 | AG:PT/T131 |
| Torsional Recovery at 25°C (%) | 75 | 60 – 86 | AG:PT/T122 |
| Viscosity at 165°C (Pa.s) | 0.9 | max. 1.1 | AG:PT/T111 |
| Consistency 6% at 60°C (Pa.s) | 2400 | 1000 | AG:PT/T121 |
| Stiffness at 15°C (kPa) | 22 | max. 30 | AG:PT/T121 |
| Segregation (%) | 0.5 | max. 8 | AG:PT/T108 |

Specification

OLEXOBIT® A10E is manufactured to comply with Austroads AGPT/T190 and ATS-3110 A10E 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.

Temperature Recommendations

| | |
|---------------------------|-----------------|
| Storage for up to 7 days | 160 °C -175 °C |
| Storage for up to 14 days | 145 °C - 155 °C |
| Asphalt mixing | 160 °C – 175 °C |
| Asphalt compaction | 150 °C – 165 °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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