

Going further
— for better performing roads



OLEXOBIT® ULTRA

UNMATCHED PERFORMANCE FOR HEAVY
LOAD RESISTANCE

OLEXOBIT® ULTRA polymer modified binder delivers exceptional resistance to slow-moving, heavy loads common in container yards, freight terminals, and high-traffic port infrastructure.

Engineered for the most demanding applications, OLEXOBIT® ULTRA is used to create asphalt mixes that offer unparalleled resistance to permanent deformation and high structural stiffness, ensuring durable and long-lasting pavements.

OLEXOBIT® ULTRA is a testament to Puma Bitumen's decades of expertise in high performance PMB formulations and cutting-edge polymer technology – a true standout in the industry.



Key Benefits

Performance Benefits

- Ultimate in deformation resistance
- Creates asphalt mixes with high structural stiffness
- Engineered for heaviest duty pavements in ports and container terminals
- Highly crack resistant
- Fuel resistant option available

Application Benefits

- Excellent workability
- Trusted OLEXOBIT storage and travel stability
- Low-fuming formula

Typical characteristics

Property	Typical Value	Specification Limits	Test Method
Softening Point (°C)	112	min. 105	AG:PT/T131
Torsional Recovery at 25°C (%)	22	10 – 40	AG:PT/T122
Viscosity at 165°C (Pa.s)	0.3	max. 0.8	AG:PT/T111
Consistency 6% at 60°C (Pa.s)	35,000	min. 10,000	AG:PT/T121
Stiffness at 15°C (kPa)	150	min. 120	AG:PT/T121
Segregation (%)	0.5	max. 8	AG:PT/T108

Specification

OLEXOBIT® ULTRA is manufactured to the strict internal specification shown in table above. Softening point, stiffness and consistency at 6% requirements well exceed the values of conventional PMB grades.



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

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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