Going further
— for better performing roads

PUMA Bitumen

OLEXOBIT® S15R-LV

POLYMER MODIFIED BINDER
Sprayed Seal Applications

A low viscosity alternative to regular crumb rubber sprayed seal binders, Puma's S15R-LV offers much improved ease of handling and application benefits, whilst providing the same trusted field performance as conventional S15R.

Puma S15R-LV is manufactured from Australian sourced waste tyres.

S15R-LV

Key Benefits

Application Benefits

- Easier to spray
- Reduced need for cutter
- Faster loading of sprayers
- Improved circulation → reduced risk of sedimentation
- Excellent early stone retention

Performance Benefits

- Equivalent to conventional S15R
- Exceptional resistance to reflective cracking
- Suitable for application in extreme stress sprayed seals (XSS)
- Repurposes Australian sourced waste tyres.

Typical characteristics

The key characteristic of S15R-LV is that the viscosity at spray temperature is half that of conventional S15R (0.8 Pa.s instead of 1.6 Pa.s)

Property	Typical Value	Specification Limits	Test Method
Softening Point (°C)	59	55 - 65	AG:PT/T131
Torsional Recovery at 25°C (%)	38	25 - 55	AG:PT/T122
Viscosity at 165°C (Pa.s)	0.8	max. 4.5	AG:PT/T111
Consistency 6% at 60°C (Pa.s)	1350	min. 800	AG:PT/T121
Compressive limit at 70°C (kg)		min. 0.2	AG:PT/T132
Stiffness at 15°C (kPa)	150	max. 180	AG:PT/T121

Specification

OLEXOBIT® S15R-LV is manufactured to comply with Austroads ATS-3110 S15R 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	**160 °C – 175 °C**
Storage temperature for up to 4 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 on 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 processes 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. It is 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 delivery.

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.

The information in this guide is of a general nature and should only be used as a guide. Please contact Puma Bitumen staff to ensure you have access to the most current information and for advice relating to any particular circumstances. Puma Energy (Australia) Bitumen Pty Ltd makes no warranty as to the completeness or accuracy of the information provided and, to the fullest extent permitted by applicable law, Puma Energy and its subsidiaries are not liable for any costs, loss or damage incurred in connection with use of the information provided in this guide. The material contained in this guide is protected by copyright. Puma Energy, OLEXOBIT and OLEXOCRUMB are registered trademarks of Puma Energy.

© 2020 Puma Energy (Australia) Bitumen Pty Ltd, ABN 78 147 981 020, 47 - 61Toll Dr, Altona North VIC 3025.

W: www.pumabitumen.com
E: bitumen.au@pumaenergy.com **Technical Helpline:** 1800 24 88 66