

## Puma Bitumen Product Range

| Puma Bitumen Product             | Grade & Specification<br>See Notes | Key Application  |
|----------------------------------|------------------------------------|--|
| <b>Paving Grade Bitumen</b>      |                                    |  |
| Class 170 Bitumen                | Class 170 in AS 2008               | Sprayed seal and light hot mix asphalt applications, emulsions and cutbacks                  |
| Class 240 Bitumen                | Class 240 in AS 2008               | Sprayed seal and light hot mix asphalt applications  |
| Class 320 Bitumen                | Class 320 in AS 2008               | Hot mix asphalt  |
| Class 450 Bitumen                | Class 450 in AS 2008               | Hot mix asphalt  |
| Class 600 Bitumen                | Class 600 in AS 2008               | Extra heavy-duty asphalt   |
| <b>Polymer Modified Binders</b>  |                                    |  |
| <b>Asphalt Applications</b>      |                                    |  |
| OLEXOBIT AB6                     | A10E in AG:PT/T190                 | Dense-graded and heavy-duty asphalt applications   |
| OLEXOBIT AB5                     | A15E in AG:PT/T190                 | Dense-graded asphalt applications  |
| OLEXOBIT AB4                     | A20E in AG:PT/T190                 | Dense-graded asphalt applications  |
| OLEXOBIT AOG                     | A25E in AG:PT/T190                 | Open-graded and thin surfacing asphalt applications  |
| OLEXOBIT SMA <sup>+</sup>        | Puma Bitumen proprietary product   | Stone mastic asphalt and thin surfacing applications   |
| OLEXOBIT A35P                    | A35P in AG:PT/T190                 | Dense-graded and high modulus asphalt applications   |
| <b>Sprayed Seal Applications</b> |                                    |  |
| OLEXOBIT MAX                     | S15E in AG:PT/T190                 | Sprayed seal applications for excellent resistance to crack reflection                       |
| OLEXOBIT SAM                     | S35E in AG:PT/T190                 | Sprayed seal strain alleviating membrane and high stress seal applications                   |
| OLEXOBIT HSS                     | Puma Bitumen proprietary product   | Sprayed seal high stress applications for improved aggregate retention                       |
| OLEXOBIT SP                      | Puma Bitumen proprietary product   | Sprayed seal applications for improved aggregate retention                                   |
| OLEXOBIT S30                     | S10E in AG:PT/T190                 | Sprayed seal applications  |
| OLEXOBIT S45                     | S20E in AG:PT/T190                 | Sprayed seal applications for improved resistance to crack reflection                        |
| OLEXOBIT S60                     | S25E in AG:PT/T190                 | Sprayed seal strain alleviating membrane applications  |
| OLEXOBIT CR45                    | S45R in AG:PT/T190                 | Sprayed seal applications for improved resistance to crack reflection                        |
| <b>Cutback Bitumens</b>          |                                    |  |
| Puma Bitumen Cutback AMC00       | AMC00 in AS 2157                   | Priming of low porosity surfaces and tack coating  |
| Puma Bitumen Cutback AMC0        | AMC0 in AS 2157                    | Priming of medium porosity surfaces and tack coating   |
| Puma Bitumen Cutback AMC1        | AMC1 in AS 2157                    | Priming of high porosity surfaces and tack coating   |
| Puma Bitumen Cutback AMC2        | AMC2 in AS 2157                    | Primer for sealing and manufacture of premix   |
| Puma Bitumen Cutback AMC3        | AMC3 in AS 2157                    | Primer for sealing and manufacture of premix   |
| Puma Bitumen Cutback AMC4        | AMC4 in AS 2157                    | Primer for sealing and manufacture of premix   |
| Puma Bitumen Cutback AMC5        | AMC5 in AS 2157                    | Sprayed seal applications, particularly in cooler weather to improve initial stone retention |
| Puma Bitumen Cutback AMC6        | AMC6 in AS 2157                    | Sprayed seal applications, particularly in cooler weather to improve initial stone retention |
| Puma Bitumen Cutback AMC7        | AMC7 in AS 2157                    | Sprayed seal applications, particularly in cooler weather to improve initial stone retention |
| <b>Precoat</b>                   |                                    |  |
| Puma Precoat APT2                |                                    | Enhanced bonding of bitumen to aggregate   |

### Notes

AS 2008 is the Australian Standard specification for bitumen for pavements

AG:PT/T190 is the Austroads specification framework for polymer modified binders

AS 2157 is the Australian Standard specification for cutback bitumens