

Technical Data Sheet

Viva Bitumen C600

Paving Grade Bitumen



Description

C600 is a paving grade bitumen manufactured to AS 2008 Table 2.2 and is primarily suitable for use in high modulus basecourse asphalts.

Summary of benefits

The Viva standards to which C600 bitumen is made result in a very consistent bitumen with predictable handling and performance characteristics

Applications

C600 bitumen is the hardest paving grade bitumen available in Australia and is mainly used to produce high modulus asphalt. Heavy duty asphalt pavements need to be designed to accommodate significant traffic loadings for up to 40 years without exhibiting structural failure and hence, need to be constructed using appropriate materials. The load spreading characteristics of pavement layers are governed by their stiffness and C600 bitumen facilitates the production of high modulus asphalt.

Recommendations

Mixing Temperature	Holding time at Mixing Temperature	Medium term storage temperature	Medium term storage time	Maximum safe handling temperature
175 - 185°C	14 days	130-150°C	30 days	190°C

Health & safety

Viva Bitumen C600 is unlikely to present any significant health or safety hazard when properly used in the recommended application where good standards of industrial practice are maintained.

Further guidance on Product Health and Safety is available on the relevant Material Safety Data Sheet

Specifications/approvals	
AS 2008	C600

Typical characteristics

Description	Units	Methods	Typical
Viscosity at 60°	Pa.s	AS 2341.2	600
Viscosity at 135°	Pa.s	AS 2341.2	0.7
Pen at 25°	dmm	AS 2341.12	min 20
Flashpoint	°C	AS 2341.14	max 250
Viscosity of residue at 60° C (% of original)	Pa.s	AS 2341.2	max 300