

Opt-in Carbon Neutral C600 Paving Grade Bitumen

Viva Bitumen

Description



Viva Energy Opt-in Carbon Neutral C600 Paving Grade Bitumen is a Climate Active certified product that has undergone rigorous carbon footprint analysis to achieve carbon neutral certification against the Australian Government's Climate Active Carbon Neutral Standard. The purchase of carbon offsets has been used to cancel out greenhouse gas emissions associated with the extraction, transportation, manufacture and supply and of Opt-in Carbon Neutral C600 Paving Grade Bitumen, by investing in projects that reduce or remove emissions. There are no physical changes to the product so there are no changeover or operability concerns and the product can be used in accordance to applications and specifications as detailed below.

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

Alternatively known as VIVA BITUMEN C600 CO2 NEUTRAL.

Summary of benefits

The Viva standards to which C600 CO2 Neutral bitumen is made result in a very consistent bitumen with predictable handling and performance characteristics.

Applications

C600 CO2 Neutral 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 and Safety

C600 CO2 Neutral 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 Safety Data Sheet.

Specifications / Approvals

AS 2008	C600
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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