Technical Data Sheet
Viva Bitumen C170
Paving Grade Bitumen

Description

C170 is a paving grade bitumen manufactured to AS 2008 Table 2.2 and is suitable for standard sealing and lightly trafficked asphalt applications.

Applications

C170 bitumen can be used for all standard spray sealing and lightly trafficked asphalt applications.

Asphalt recommendations

Mixing Temperature	Holding time at Mixing Temperature	Medium term storage temperature	Medium term storage time	Maximum safe handling temperature
140-165°C	14 days	130-150°C	30 days	175°C

Sealing recommendations

Spraying Temperature	Holding time at spraying temperature	Medium term storage temperature	Medium term storage time	Minimum pavement temperature
170-180°C	7 days	130-150°C	30 days	15°C

During sealing operations it is normal practice to add cutter oil to the bitumen to reduce binder viscosity to a level at which effective wetting and adhesion of the cover aggregate can take place. The quantity of cutter oil added to the bitumen depends upon the pavement temperature, the daily traffic and the nominal size of the cover aggregate. Basic cutting practice for Viva Bitumen C170 bitumen should be as follows:

Parts cutter per 100 parts bitumen measured at 15°C

Pavement Temperature (°C)	Traffic (veh/lane/day)	Nominal Aggregate Size: 10mm or greater	Nominal Aggregate Size: 7mm or less
15 to 20	low (<100) med (100 - 1500) high (>1500)	7-8 5-6 4	7-10 6-8 5-6
20 to 25	low med high	7-8 5-6 4	7-10 6-8 5-6
26 to 35	low med high	4-6 2-4 2-3	6-8 5-7 4-6
>36	all	0-2	0-3

Health & safety

Viva Bitumen C170 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	C170

Typical characteristics

Description	Units	Methods	Typical
Viscosity at 60° C	Pa.s	AS 2341.2	170
Viscosity at 135° C	Pa.s	AS 2341.2	0.35
Pen at 25° C	dmm	AS 2341.12	min 62
Flashpoint	° C	AS 2341.14	min 250
Viscosity of residue at 60° C (% of original)	Pa.s	AS 2341.2	max 300