



FREE ZONE COMPANY REGISTERED AND LICENSCEED UNDER DMCCA RULES AND REGULATIONS  
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**VISCOSITY GRADED BITUMEN**  
**BITUMEN C320**  
**Technical Data Sheet**

**1. Description:**

Viscosity Graded Bitumen C320 is high quality asphalt, derived from crude petroleum refining. It is a paving grade bitumen manufactured to AS 2008 Table 2.2 and is suitable for standard sealing and lightly trafficked asphalt application.

**2. Uses:**

This grade is used as binders of mineral aggregates in asphalt concrete and hot laid plant mix for highways, airports, parking areas, driveways and curbs.

**3. Specification:**

N0	Properties	Method	Spec		Unit
			Min	Max	
1	Viscosity at 60° C (Pa.s)	AS2341-2	260	380	d/mm
2	Viscosity at 135° C (Pa.s)	AS2341.4	0.40	0.65	°C
3	Penetration 100g, 5s @ 25°C (p.u)	AS2341.12	40		%
4	Binder Density @ 15°C (kg/m3)	AS2341.7	1000	..	°C
5	Matter Insoluble in Toluene (%)	AS2341.8		1.0	mm
6	Flash Point, Cleveland Open Cup (°C)	ASTM D92	250	..	%
7	Short Term Effect of Heat And Air (% Change in viscosity of RTFO Treated vs untreated bitumen)	AS2341.10 AS231.2		300	
8	Post RTFO Ductility @ 15°C (mm)	AS2341.11	400		

**4. Safe Handling and Storage:**

**4.1 Handling:**

- Use Personal Protective Equipment (PPE's) when handling (i.e. gloves, eye protectors, etc.
- Maintain safe heating temperatures when using this product
- Avoid contact with skin, eyes and clothing
- Avoid breathing vapor, spray or mists when applying.

**4.2 Storage:**

**4.2.1 Drums**

Keep drums in a cool, well-ventilated place.

**5. Packaging:**

Viscosity Graded Bitumen C320 is available in 0.6 mm thickness, 180 kg net weight drums, 95 cm height and 45 cm diameter (+/- 3 kg operational tolerance).