



Bitumen C320

(Paving Grade Bitumen)

PRODUCT DATA SHEET

Bitumen Class 320 or C320, is a viscosity-graded bitumen with a viscosity of 320 Poise at 60°C. It is classified as a harder bitumen, providing greater resistance to deformation under heavy traffic and in warm climates. This makes it suitable for demanding applications where high loads and temperature extremes are common.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Absolute viscosity at 60°C	P	260-380	ASTM D2171
Kinematic viscosity at 135°C	cSt	0.4-0.65	ASTM D2170
Penetration @25°C (77°F), 100gm, 5sec	0.1MM	Min 40	ASTM D5
Flash Point	°C	Min 250	ASTM D92
Matter insoluble in toluene	%Wt	Max. 1.0	ASTM D4072
After Rolling Thin-Film Oven Test (RTFO)			
Viscosity of residue at 60°C (% of original)	Pa.s	Max 300	ASTM D2171

Quality:

The quality of the bitumen is assured for every delivery with arrangement of international inspector to check quality and controlling the production by Quality Control and also by batch test report before shipping

Application:

Bitumen Class 320 is primarily used for highways, major roads, industrial pavements, and airport infrastructure. Its high viscosity and hardness provide superior resistance to rutting, deformation, and temperature extremes, making it suitable for regions with heavy traffic and high temperatures.

Asphalt Recommendations:

Mixing Temperature: 140-165°C

Spraying Temperature: 170-180°C

Health & Safety:

Bitumen 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.

Packaging:

New steel drums, reconditioned steel drums, poly bags. Bulk;
Steel Drums: 180Kg, 200Kg
Poly Bags: 300Kg, 1000Kg
Bulk: Tank Container

Code Approvals/Compliance:

Meets AS2008-2013

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