



Bitumen C450

(Paving Grade Bitumen)

PRODUCT DATA SHEET

Bitumen Class 450 or C450, is a viscosity-graded bitumen with a viscosity of 450 Poise at 60°C. It is one of the hardest and most viscous bitumen grades available, designed for use in extreme conditions that require the highest resistance to deformation, such as heavy traffic, industrial use, and warm climates.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Absolute viscosity at 60°C	P	Report	ASTM D2171
Kinematic viscosity at 135°C	cSt	Max. 0.7	ASTM D2170
Penetration @25°C (77°F), 100gm, 5sec	0.1MM	Report	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
Penetration at 25°C	0.1 mm	Min. 26	ASTM D5
Viscosity at 60°C	Pa.s	750-1150	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 450 is primarily used for high-traffic roads, industrial pavements, and airport infrastructure, where high load resistance and temperature stability are essential. Its stiffness and superior resistance to rutting and deformation make it ideal for use in heavy-duty applications and warm climate regions.

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.

Steel Drums: 180Kg, 200Kg

Poly Bags: 300Kg, 1000Kg

Code Approvals/Compliance:

Meets AS2008-2013

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