



Bitumen 120/150

(Penetration Grade Bitumen)

PRODUCT DATA SHEET

Bitumen 120/150 is a softer grade of bitumen, mainly used in road construction and maintenance in colder climates and low-traffic areas. Its flexibility helps prevent pavement cracks and makes it suitable for surface dressing, asphalt production, and industrial applications such as waterproofing and roofing.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Penetration @25°C (77°F), 100gm, 5sec	0.1MM	120-150	ASTM D5
Softening Point °C	°C	Min. 38.0	ASTM D36
Flash Point Cleveland open cup	°C	Min. 218	ASTM D92
Ductility @25°C, 5 cm/min	CM	Min. 100	ASTM D113
Solubility in Trichloroethylene	% Wt	Min. 99.0	ASTM D2042
After Rolling Thin-Film Oven Test (RTFO)			
Loss on Heating	%Wt	Max. 1.3	ASTM D6
Drop in Penetration	%	Max. 20	ASTM D5
Retained Penetration	%	Min. 42	ASTM D5
Ductility of residue @25°C (77°F), 5 cm/min	CM	Min. 100	ASTM D113
Spot Test	-	Negative	AASHTO T102

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 120/150 is in road construction and maintenance, particularly in regions with colder climates and for roads with lower traffic volumes. Its softer nature provides flexibility, making it suitable for surfaces that need to resist cracking due to temperature fluctuations.

Application Temperature:

Mixing: 140°C to 160°C

Compaction: 120°C to 140°C

Health & Safety:

Bitumen is unlikely to present any significant health or safety hazard when properly used in the recommended application, provided good standards of industrial and personal hygiene are maintained.

Packaging:

New steel drums, reconditioned steel drums or bulk in Bitumen Tank Container

Steel Drums : 180Kg, 200Kg

Bulk : Tank Containers

Code Approvals/Compliance:

Meets: ASTM D946, AASHTO M 20-70(2004), MS 124: 2020

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