

TECHNICAL DATA SHEET

PENETRATION GRADE BITUMEN 120/150

DESCRIPTION

Bitumen 120/150 is a standard Penetration Grade of Bitumen ASTM D946M, typically used as a Paving Grade Bitumen suitable 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.

Penetration Grade Bitumen is produced from Vacuum Residue (VR), which undergoes air blowing in an Oxidation Blowing Unit. This fully automated, continuous process ensures consistent and homogeneous product quality, meeting stringent specifications and international standards.



SPECIFICATIONS

Test	Specification	Unit	Test Method
Penetration @ 25°C	120-150	mm/10	ASTM D5
Softening Point (R & B)	38 Min	°C	ASTM D36
Ductility @ 25°C	100 Min	cm	ASTM D113
Solubility in TCE	99 Min	%	ASTM D2042
Flash point °C	220 Min	°C	ASTM D92
Specific gravity @ 25°C	1.01-1.06	kg/cm³	ASTM D70
Spot Test	Negative	-	AASHTO T102
After Thin-Film Oven Test (ASTM D1754)			
Loss on heating	0.5 Max	wt %	ASTM D6
Retained Penetration	42 Min	%	ASTM D5
Ductility of residue	100 Min	cm	ASTM D113

RECOMMENDED WORKING TEMPERATURES

-  Storing temperature (°C): < 150
-  Mixing temperature (°C): 130-155
-  Compacting Temperature (°C): 120-140

GUARANTY AND SAFETY

We as Iraq Altaqa company guaranty the quality of Bitumen Penetration Grade 120/150 with the arrangement of the international inspector to check quality and quantity of the Bitumen Penetration grade 120/150 during the loading to the vessel and controlling the production by QC by batch test report before shipping.

APPLICATIONS

Penetration Grade 120/150 Bitumen is a soft, flexible binder ideal for road construction in colder climates. Its high penetration value ensures excellent low-temperature performance, making it suitable for hot and cold mix asphalt, tack coats, and surface treatments. It is also used in waterproofing and industrial coatings where flexibility and adhesion are essential.

PACKAGING

Our bitumen is available in a range of packaging options, including:

 Jumbo bags 1 MT	 Flexitanks 20 MT	 Steel drums 150kg 180kg 220kg
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All packaging is weatherproof and engineered for safe, efficient handling and transportation in diverse operating environments.



Complies with
ASTM D946M