

TECHNICAL DATA SHEET

PENETRATION GRADE BITUMEN 200/300



IQTB-800-QL-TDS-0005

DESCRIPTION

Bitumen 200/300 is a standard Penetration Grade as per ASTM D946M, known for its exceptionally soft consistency and very high penetration value. Although not commonly used in conventional paving works, its high flexibility and adhesive properties make it ideal for specialized applications such as cold-mix asphalt, surface treatments, waterproofing systems, and various industrial uses where a highly pliable binder is required.

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	200-300	mm/10	ASTM D5
Softening Point (R & B)	32 Min	°C	ASTM D36
Ductility @ 25°C	100 Min	cm	ASTM D113
Solubility in TCE	99 Min	%	ASTM D2042
Flash point °C	175 Min	°C	ASTM D92
Specific gravity @ 25°C	1.01-1.06	kg/cm ³	ASTM D70
Spot Test	Negative	-	AASHTO T102
After Thin-Film Oven Test (ASTM D1754)			
Loss on heating	0.2 Max	wt %	ASTM D6
Retained Penetration	37 Min	%	ASTM D5
Ductility of residue	100 Min	cm	ASTM D113

RECOMMENDED WORKING TEMPERATURES

-  Storing temperature (°C): < 145
-  Mixing temperature (°C): 130-150
-  Compacting Temperature (°C): 120-140

GUARANTY AND SAFETY

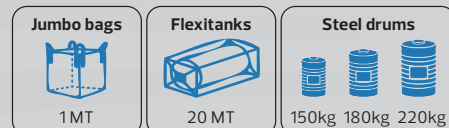
We as Iraq Altaqa company guaranty the quality of Bitumen Penetration Grade 200/300 with the arrangement of the international inspector to check quality and quantity of the Bitumen Penetration grade 200/300 during the loading to the vessel and controlling the production by QC by batch test report before shipping.

APPLICATIONS

Bitumen 200/300 is primarily utilized in specialized applications that require exceptional softness and flexibility, making it ideal for use in colder climates and specific industrial processes. This highly penetrable grade is often employed for dust control on unpaved roads and in areas where effective dust suppression is critical. Additionally, it serves as a key component in the production of asphalt emulsions, which are widely used in road construction and maintenance projects, particularly in conditions where lower processing temperatures are necessary.

PACKAGING

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



All packaging is weatherproof and engineered for safe, efficient handling and transportation in diverse operating environments.



Complies with
ASTM D946M