

TECHNICAL DATA SHEET

PENETRATION GRADE BITUMEN 85/100



IQTB-800-QL-TDS-0003

DESCRIPTION

Penetration Grade 85/100 Bitumen is widely used in road construction, maintenance, and various paving applications, including some industrial uses. Its durability, weather resistance, and strong binding properties make it a key material in the paving and construction industry.

This grade of Bitumen is most utilized in the manufacture of hot mix asphalt for both base courses and wearing courses, where strength and long-term performance are critical. 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	85-100	mm/10	ASTM D5
Softening Point (R & B)	42 Min	°C	ASTM D36
Ductility @ 25°C	100 Min	cm	ASTM D113
Solubility in TCE	99 Max	%	ASTM D2042
Flash point °C	230 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	0.2 Max	wt %	ASTM D6
Retained Penetration	47 Min	%	ASTM D5
Ductility of residue	75 Min	cm	ASTM D113

RECOMMENDED WORKING TEMPERATURES

-  Storing temperature (°C): < 150
-  Mixing temperature (°C): 130-155
-  Compacting Temperature (°C): 110-130

GUARANTY AND SAFETY

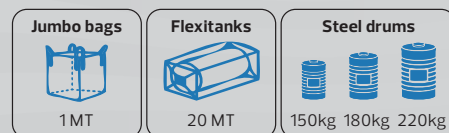
We as Iraq Altaqa company guaranty the quality of Bitumen Penetration Grade 85/100 with the arrangement of the international inspector to check quality and quantity of the Bitumen Penetration grade 85/100 during the loading to the vessel and controlling the production by QC by batch test report before shipping.

APPLICATIONS

Penetration Grade 85/100 Bitumen is a reliable binder used in road construction, pavement maintenance, and other paving applications. Its strong adhesion, durability, and weather resistance make it ideal for highways, asphalt mixes, waterproofing, and industrial surfaces. This versatile material plays a key role in delivering long-lasting performance across the construction industry.

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