

TECHNICAL DATA SHEET

PENETRATION GRADE BITUMEN 60/70



IQTB-800-QL-TDS-0002

DESCRIPTION

Bitumen 60/70 is a standard Penetration Grade of Bitumen ASTM D946M, typically used as a Paving Grade Bitumen suitable for road construction and to produce asphalt pavements with superior properties particularly in road and airport constructions and other similar applications.

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	60-70	mm/10	ASTM D5
Softening Point (R & B)	46 Min	°C	ASTM D36
Ductility @ 25°C	100 Min	cm	ASTM D113
Solubility in TCE	99 Min	%	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	52 Min	%	ASTM D5
Ductility of residue	50 Min	cm	ASTM D113

RECOMMENDED WORKING TEMPERATURES

-  Storing temperature (°C): < 160.
-  Mixing temperature (°C): 135-155.
-  Compacting Temperature (°C): 125-145

GUARANTY AND SAFETY

We as Iraq Altaqa company guaranty the quality of Bitumen Penetration Grade 60/70 with the arrangement of the international inspector to check quality and quantity of the Bitumen Penetration grade 60/70 during the loading to the vessel and controlling the production by QC by batch test report before shipping.

APPLICATIONS

Penetration Grade 60/70 Bitumen is a versatile and durable binder widely used in highway construction, hot mix asphalt, bituminous emulsions, and pavement maintenance. Its balanced hardness and flexibility make it ideal for waterproofing, airport runways, and heavy-duty surfaces like industrial yards and ports. Known for its strong adhesion, weather resistance, and long-term performance, it ensures reliable results across a range of infrastructure applications.

PACKAGING

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

Jumbo bags	Flexitanks	Steel drums
 1 MT	 20 MT	 150kg 180kg 220kg

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



Complies with
ASTM D946M