

TECHNICAL DATA SHEET

PENETRATION GRADE BITUMEN 50-70



IQTB-800-QL-TDS-0008

DESCRIPTION

Bitumen 50-70 is a Penetration Grade of Bitumen according to the standard: BS EN 12591. Bitumen 50-70 is a hard Penetration Grade Bitumen commonly used in road construction and maintenance, as well as in a range of industrial applications. its excellent adhesive and waterproofing properties.

This Grade of Bitumen is mainly used in the manufacture of hot mix asphalt for bases and wearing courses. Penetration. Grade Bitumen is produced from Vacuum Residue (VR), which undergoes air blowing in a 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	50-70	mm/10	EN 1426
Softening Point (R & B)	46-54	°C	EN 1427
Kinematic Viscosity @ 135°C	295 Min	mm ² /s	EN 12595
Solubility in Trichloroethylene	99 Min	%	EN 12592
Flash point	230 Min	°C	EN ISO 2592
Dynamic Viscosity @ 60°C	145 Min	Pa.s	EN 12596
Resistance to Hardening at 163°			
Change of Mass	0.5 Max	%	EN 12607-1
Retained Penetration	50 Min	%	EN 1426
Increase in softening point	9 Max	°C	EN 1427

RECOMMENDED WORKING TEMPERATURES

-  Storage temperature (°C): < 165
-  Mixing temperature (°C): 150-160
-  Compaction temperature (°C): 120-140

GUARANTY AND SAFETY

We as Iraq Altaqa Company guaranty the quality of Bitumen Penetration Grade 50-70. To ensure this, an independent international inspection agency is arranged to verify both the quality and quantity of the Bitumen during vessel loading. Additionally, production is closely monitored by the Quality Control (QC) team through batch testing prior to shipment.

APPLICATIONS

Bitumen 50-70 is suitable for road construction, waterproofing and repairs. It has very high performance in terms of resistance to ageing and plasticity which makes it a great product in the road paving sector for the realization of asphalt mixtures for roadways, runways, pavement, track race, Industrial zones and landing platforms.

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
BS EN 12591:2019