

TECHNICAL DATA SHEET

PENETRATION GRADE BITUMEN 30-45

DESCRIPTION

Bitumen 30-45 is a Penetration Grade of Bitumen according to the standard: BS EN 12591 typically in road construction and maintenance, as well as in various industrial applications. This Bitumen grade is specified by the penetration and softening point test. Penetration Grade Bitumen has a thermoplastic property which causes the material to soften at high temperatures and to harden at low temperatures.

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	30-45	mm/10	EN 1426
Softening Point (R & B)	52-60	°C	EN 1427
Kinematic Viscosity @ 135°C	400 Min	mm ² /s	EN 12595
Solubility in Trichloroethylene	99 Min	%	EN 12592
Flash point	240 Min	°C	EN ISO 2592
Dynamic Viscosity @ 60°C	260 Min	Pa.s	EN 12596
Resistance to Hardening at 163°			
Change of Mass	0.5 Max	%	EN 12607-1
Retained Penetration	53 Min	%	EN 1426
Increase in softening point	8 Max	°C	EN 1427

RECOMMENDED WORKING TEMPERATURES

-  Storage temperature (°C): < 180
-  Mixing temperature (°C): 150-160
-  Compacting temperature (°C): 120-140

GUARANTY AND SAFETY

We as Iraq Altaqa Company guaranty the quality of Bitumen Penetration Grade 30-45. 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 30-45 is ideal for road construction and repairs. It offers excellent performance in terms of resistance to ageing and plasticity, making it a superior choice in the road paving sector. It is widely used for producing asphalt mixtures for roadways, runways, pavements, racetracks, ports 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