

TECHNICAL DATA SHEET

PENETRATION GRADE BITUMEN 20 – 30

DESCRIPTION

Bitumen 20-30 is a Penetration Grade of Bitumen according to the standard: BS EN 12591 typically used in heavy-duty road construction, including highways, industrial roads, and airport runways. Its low penetration and high softening point make it well-suited for areas with intense traffic and hot weather conditions.

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 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	20-30	mm/10	EN 1426
Softening Point (R & B)	55-63	°C	EN 1427
Kinematic Viscosity @ 135°C	530 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	440 Min	Pa.s	EN 12596
Resistance to Hardening at 163°			
Change of Mass	0.5 Max	%	EN 12607-1
Retained Penetration	55 Min	%	EN 1426
Increase in softening point	8 Max	°C	EN 1427

RECOMMENDED WORKING TEMPERATURES

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

GUARANTY AND SAFETY

We as Iraq Altaqa Company guaranty the quality of Bitumen Penetration Grade 20-30. 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 20-30 is in heavy-duty road construction and industrial projects that require high durability and resistance to deformation. Due to its hardness, Bitumen 20-30 is particularly suited for projects where the pavement must endure heavy traffic loads and high temperatures.

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