

TECHNICAL DATA SHEET

VISCOSITY GRADE BITUMEN VG-20

IQTB-800-QL-TDS-0013

DESCRIPTION

Bitumen Grade VG-20 in accordance with IS 73:2013, is a standard Viscosity Grade Bitumen commonly used in road construction and various industrial applications. It is particularly suitable for hot mix asphalt in regions with moderate climates.

VG-20 is produced from Vacuum Residue (VR) that undergoes air blowing in an Oxidation Blowing Unit. This continuous process ensures consistent, homogeneous quality that meets stringent national and international standards.



SPECIFICATIONS

Test	Specification	Unit	Test Method
Penetration @ 25°C	60 Min	mm/10	ASTM D5
Softening Point (R & B)	45 Min	°C	ASTM D36
Absolute viscosity @ 60°C	1600-2400	Poise	ASTM D2171
Kinematic Viscosity @ 135°C	300 Min	cSt	ASTM D2170
Solubility in Trichloroethylene	99 Min	%	ASTM D2042
Flash point	220 Min	°C	ASTM D92
After Rolling Thin-Film Oven Test (RTFO)			
Viscosity ratio at 60°C	4 Max	--	ASTM D2171
Ductility at 25°C	50 Min	cm	ASTM D113

RECOMMENDED WORKING TEMPERATURES

-  Storage temperature (°C): < 180
-  Mixing temperature (°C): 160-170
-  Compaction temperature (°C): 147-157

GUARANTY AND SAFETY

We as Iraq Altaqa Company guaranty the quality of Bitumen VG-20. An independent international inspection agency verifies both quality and quantity during vessel loading. Each production batch is tested by the Quality Control (QC) team to ensure compliance with international standards.

APPLICATIONS

Bitumen VG-20 is primarily used in the construction and maintenance of roads, especially in regions with moderate climates. It is also suitable for applications such as bituminous concrete, surface dressing, waterproofing, industrial paving, and airport runway surfacing.

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
IS 73:2013