

TECHNICAL DATA SHEET

VISCOSITY GRADE BITUMEN VG-30

IQTB-800-QL-TDS-0012

DESCRIPTION

Bitumen VG-30 in accordance with IS 73:2013, is a Standard Viscosity Grade Bitumen primarily used in road construction, particularly in regions with moderate to high traffic loads. VG-30 is ideal for paving flexible roads and is commonly used in the manufacture of hot mix asphalt for base and wearing courses. Its moderate viscosity provides an optimal balance between workability and resistance to rutting.

VG-30 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	45 Min	mm/10	ASTM D5
Softening Point (R & B)	47 Min	°C	ASTM D36
Absolute viscosity @ 60°C	2400-3600	Poise	ASTM D2171
Kinematic Viscosity @ 135°C	350 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	40 Min	cm	ASTM D113

RECOMMENDED WORKING TEMPERATURES

-  Storage temperature (°C): < 180
-  Mixing temperature (°C): 150-170
-  Compaction temperature (°C): 140-160

GUARANTY AND SAFETY

We as Iraq Altaqa Company guaranty the quality of Bitumen VG-30. 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

VG-30 Bitumen is suitable for a variety of asphalt mix designs and paving techniques, including dense-graded and open-graded mixes. It is recommended for use on highways, urban roads, waterproofing and other infrastructures exposed to moderate up to high traffic conditions. Due to its good adhesion and durability, it is also suitable for resurfacing and road maintenance 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
IS 73:2013