

TECHNICAL DATA SHEET

VISCOSITY GRADE BITUMEN VG-10

IQTB-800-QL-TDS-0014

DESCRIPTION

Bitumen VG-10 in accordance with IS 73:2013, is a Low Viscosity Grade ideal for use in cold to moderate climates. It allows for lower mixing and compaction temperatures, making it suitable for flexible pavement construction. It is widely used for spraying applications and surface coating, with excellent workability that ensures uniform coating and effective mixing with aggregates.

VG-10 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	80 Min	mm/10	ASTM D5
Softening Point (R & B)	40 Min	°C	ASTM D36
Absolute viscosity @ 60°C	800-1200	Poise	ASTM D2171
Kinematic Viscosity @ 135°C	250 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	75 Min	cm	ASTM D113

RECOMMENDED WORKING TEMPERATURES

-  Storage temperature (°C): < 180.
-  Mixing temperature (°C): 140-160.
-  Compaction temperature (°C): 130-150.

GUARANTY AND SAFETY

We as Iraq Altaqa Company guaranty the quality of Bitumen VG-10. 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 VG-10 is widely used in road construction, repair and maintenance, and the production of Bitumen emulsions, particularly in colder climates. Its lower viscosity makes it ideal for cold mix asphalt, offering excellent workability at lower temperatures. Additionally, VG-10 is well-suited for waterproofing, as well as surfacing in port areas and industrial zones, where flexibility and ease of application are essential.

PACKAGING

Our bitumen is available in a range of packaging options, including:

Jumbo bags	Flexitanks	Steel drums
 1MT	 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