

TECHNICAL DATA SHEET

PERFORMANCE GRADE BITUMEN PG 82-34

IQTB-800-QL-TDS-0036

DESCRIPTION

Paving Grade Bitumen that complies with the specifications in the standard AASHTO M-320 or ASTM D6373 for PG 82-34. PG 82-34 is the most advanced binder in the PG 82 series, designed for extreme heat and harsh winter conditions. Meeting Superpave performance grading standards, it offers excellent rutting resistance and superior flexibility in cold weather. PG 82-34 is ideal for infrastructure requiring both cold-weather performance and high-load resistance.



SPECIFICATIONS

Test	Specification	Unit	Test Method
Average 7-day maximum pavement design temperature	< 82	°C	--
Minimum pavement design temperature	> -34	°C	
Original Binder			
Flash point °C, Min	230 Min	°C	AASHTO T48 / ASTM D92
Viscosity @135°C	3.0 Max	Pa.s	AASHTO T316 / ASTM D4402
Dynamic Shear, G*/sin! at 82°C at 10 rad/s	1.0 Min	kPa	AASHTO T315 / ASTM D7175
Residual Binder from Rolling Thin-Film Test (AASHTO T240 / ASTM D2872)			
Mass change	1.0 Max	%Wt	AASHTO T240 / ASTM D2872
Dynamic Shear, G*/sin! at 82°C at 10 rad/s	2.2 Min	kPa	AASHTO T315 / ASTM D7175
Pressure Aging Vessel Residue (AASHTO R28 / ASTM D6521)			
PAV Temperature	100 (110)	°C	AASHTO R28 / ASTM D6521
Dynamic Shear, G*.sin! at 28°C at 10 rad/s	5000 Max	kPa	AASHTO T315 / ASTM 7175
Creep Stiffness at -24°C			
S value	300 Max	MPa	AASHTO T313 / ASTM D6648
M value (slope)	0.300 Min		AASHTO T313 / ASTM D6648
Direct Tension @ -24°C			
Failure strain, Test Temp @ 1.0 mm/min	1.0 min	%	AASHTO T314 / ASTM D6723

APPLICATIONS

PG 82-34 is a high-performance asphalt binder designed for extreme heat and harsh winter conditions. Compliant with Superpave standards and AASHTO M320, it offers excellent resistance to high temperatures and remains flexible in cold weather. Ideal for high-traffic, heavy-load infrastructure, PG 82-34 ensures durability and reliable performance in challenging environments.

PACKAGING

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

 Jumbo bags 1 MT	 Flexitanks 20 MT	 Steel drums 150kg 180kg 220kg
---	--	---

All packaging is weatherproof and engineered for safe, efficient handling and transportation in diverse operating environments.

RECOMMENDED WORKING TEMPERATURES

-  Storage temperature (°C): < 180
-  Mixing temperature (°C): 140-165
-  Maximum heating temperature (°C): 185

GUARANTY AND SAFETY

We as Iraq Altaqa Company guaranty the quality of Bitumen PG 82-34. 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.

Complies with
ASTM D6373



Complies with
AASHTO M-320

