Petroleum products

Bitumen

Binder for road pavements

VG30



Material illustration

Technical characteristics

Paving bitumen VG30 is classified by viscosity. For the asphalt plant this describes the binder’s resistance to flow at a defined temperature.

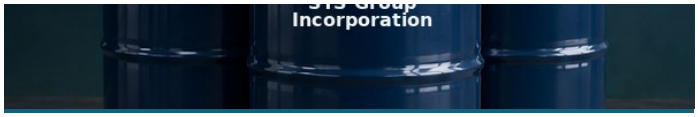
Property	Reference value	Method or source
Absolute viscosity at 60 °C	**2400–3600 P**	IS 73:2013
Classification	**IS 73:2013**	IS 73:2013
ν · 135 °C	**≥ 350 mm²/s**	IS 73:2013
Penetration at 25 °C	**≥ 45 × 0.1 mm**	IS 73:2013
Softening point	**≥ 47 °C**	IS 73:2013
Flash point	**≥ 220 °C**	IS 73:2013

Under IS 73:2013 the lower bound for absolute viscosity at 60 °C is 2400 P. Kinematic viscosity at 135 °C and ring-and-ball softening point are determined separately.



Applications

For hot asphalt mixtures whose design specifies VG30. Compare the required edition of IS 73 and the test results for both original and aged binder.



Packaging and receipt

Heated bulk delivery suits terminals with heated tanks and discharge lines. Steel drums, including 180 kg net, are an option for container freight. Specialist bags up to 1 t depend on binder grade and melting equipment.

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.