Petroleum products

Bitumen

Binder for road pavements

50/70



Material illustration

Technical characteristics

Paving bitumen 50/70. The numbers give the penetration interval of a standard needle into the sample. Higher penetration under identical conditions indicates a softer binder.

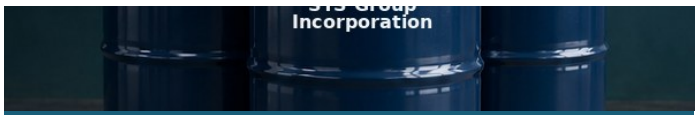
Property	Reference value	Method or source
Penetration at 25 °C	**50–70 × 0.1 mm**	ASTM D5/D5M
Test conditions	**100 g · 5 s**	ASTM D5/D5M
Softening point	**Ring and ball**	ASTM D36/D36M

Penetration 50–70 × 0.1 mm at 25 °C, 100 g and 5 s. The ring-and-ball softening point and change in binder properties after ageing are additional specification criteria.



Applications

Binder for asphalt mixtures designed for the specified penetration grade. Pavement temperature, traffic loading and aggregate properties influence the choice of stiffness.



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.