



Specification of Bitumen 40/50

Property	Test Method	Unit	Specification
Penetration at 25°C	ASTM D5	0.1 mm	40–50
Softening Point	ASTM D36	°C	50–58
Ductility at 25°C	ASTM D113	cm	Min. 100
Flash Point (Cleveland Open Cup)	ASTM D92	°C	Min. 250
Solubility in Trichloroethylene	ASTM D2042	% wt	Min. 99.0
Loss on Heating (Mass Loss)	ASTM D6	% wt	Max. 0.2
Penetration After Thin Film Oven Test (TFOT)	ASTM D5	% of Original	Min. 60
Ductility After TFOT at 25°C	ASTM D113	cm	Min. 25
Specific Gravity at 25°C	ASTM D70	g/cm ³	1.01–1.06
Water Content	ASTM D95	% wt	Max. 0.2

Product Features

- Excellent resistance to heavy traffic loads
- High durability and long pavement life
- Good adhesion to mineral aggregates
- Suitable for hot climate regions
- High resistance to rutting and deformation
- Reliable performance for highways and airport pavements
- Complies with international paving bitumen standards

Applications

- Highways and expressways
- Airport runways and taxiways
- Heavy-duty industrial roads
- Urban road construction
- Asphalt concrete production
- Infrastructure and transportation projects