



Bitumen 40/50

(Penetration Grade Bitumen)

PRODUCT DATA SHEET

Bitumen 40/50 is a hard, durable bitumen grade ideal for use in heavy-duty road construction, such as highways, airports, and industrial areas, especially in hot climates. It is also used in producing dense asphalt concrete and in industrial applications where a high level of strength and resistance to wear and deformation is required.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Penetration @25°C (77°F), 100gm, 5sec	0.1MM	40-50	ASTM D5
Softening Point °C	°C	Min. 49	ASTM D36
Flash Point Cleveland open cup	°C	Min. 230	ASTM D92
Ductility @25°C, 5 cm/min	CM	Min. 100	ASTM D113
Solubility in Trichloroethylene	%	Min. 99.0	ASTM D2042
After Thin-Film Oven Test			ASTM D1754
- Loss on Heating	%Wt	Max. 0.8	ASTM D6
- Retained Penetration	%	Min. 55	ASTM D5
- Ductility of residue @25°C (77°F), 5 cm/min	CM	Min. 50	ASTM D113
- Drop in Penetration	%	Max. 20	ASTM D5
Spot Test	-	Negative	AASHTO T102

Quality:

The quality of the bitumen is assured for every delivery with arrangement of international inspector to check quality and controlling the production by Quality Control and also by batch test report before shipping.

Application:

Bitumen 40/50 is Suitable for road construction and for the asphalt pavements with superior properties, main usage of this product is used in the road at tropical regions, not softened at high temperature and does not fail its qualities.

Application Temperature

Storing : 120°C - 150°C.

Mixing : 135°C - 155°C.

Compacting : 125°C - 145°C.

Health & Safety:

Bitumen is unlikely to present any significant health or safety hazard when properly used in the recommended application, provided good standards of industrial and personal hygiene are maintained.

Packaging:

New steel drums, reconditioned steel drums or eco-friendly Weatherproof packaging in poly bags. Bulk in vessel.

Steel Drums: 180Kg, 200Kg

Poly Bags: 300Kg, 1000Kg

Bulk: Vessel Load, Tank Container

Code Approvals/Compliance:

Meets: ASTM D946, AASHTO M 20-70(2004), MS 124: 2020

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