



## Bitumen Penetration Grade 40/50

Bitumen 40/50 is a standard penetration grade bitumen usually used as a paving grade bitumen suitable to be used in producing hot mix asphalt for road construction and production of asphalt pavements with superior properties as per following technical specification.

### TECHNICAL SPECIFICATION

Analysis	Unit	Limit	Test Method
Density @ 25°C	kg/m <sup>3</sup>	1010-1060	ASTM D70 or D3289
Penetration @ 25°C	mm/10	40-50	ASTM D5
Softening Point	°C	52-60	ASTM D36
Ductility @ 25°C	cm	100 min	ASTM D113
Loss on heating	wt%	0.2 max	ASTM D6
Drop in penetration after heating	%	20 max	ASTM D5
Flash point	°C	232 min	ASTM D92
Solubility in Trichloroethylene	wt%	99.0 min	ASTM D2042
Spot test	—	Negative	A.A.S.H.O.T 102
Viscosity @60°C	P	4000±800	ASTM D 2171
Viscosity@135°C	cSt	400 min	ASTM D 2170
<b>Test on Residue From Thin Film Oven Test (ASTM D1754)</b>			
Retained Penetration after (T.F.O.T) , %	%	58 min	ASTM D5
Ductility , (25 °C),5cm/min , cm after TFOT	cm	50	ASTM D113
Viscosity @ 60°C	P	20000 max	ASTM D 2171