



GENERAL DATA SHEET

Penetration Grade Bitumen (40 / 50)

- **Characteristic:** High air blowing.
- **Application:** Bitumen Penetration Grade 40/50 is a standard penetration grade Bitumen usually used as a Paving Grade Bitumen suitable for road construction in tropical areas and for production of asphalt pavements with superior properties. This grade of Bitumen is mainly used in manufacturing of hot mix asphalt for bases and wearing.
- **Specifications:**

Description	Unit	Specification	Test Method
Specific Gravity @ 25°C	(Kg/m ³)	1.01 - 1.06	ASTM - D - 70
Penetration @ 25°C , 100gr. 5S	(0.1 mm)	40 - 50	ASTM - D - 5
Softening Point	(°C)	52 - 60	ASTM - D - 36
Ductility @ 25°C	(cm)	100 Min.	ASTM - D - 113
Loss on Heating	(% Wt)	0.2 Max.	ASTM - D - 6
Drop in Penetration after Heating	(%)	20 Max.	ASTM - D-6, D-5
Flash Point	(°C)	250 Min.	ASTM - D - 92
Bitumen Content in CS2	(% Wt)	99.5 Min.	ASTM - D - 4
Spot Test	-----	Negative	A.A.S.H.O.T.102*

* American Association of State Highway Officials.