WATANIYA
BITUMEN AND OIL REFINERY

TECHNICAL DATA SHEET

PAVING BITUMEN 40/50

DESCRIPTION:

Bitumen 40/50 is a standard Penetration Grade of Bitumen ASTM D 946M, typically used as a Paving Grade Bitumen suitable for road construction and for the production of asphalt pavements with superior properties, particularly in road and airport constructions and other similar applications. This grade of Bitumen is mainly used in the manufacture of hot mix asphalt for bases and wearing courses. Penetration Grades of Bitumen is produced from Vacuum Residue, which is blown by hot in the Biturox Blowing Unit; The fully automated process runs continuously resulting in a constant and homogeneous finished product quality. Wataniya's Penetration Grade Bitumen can be supplied in any grade and is designated by two numbers to indicate the mid-points of their penetration ranges.

PACKAGING:

Paving Bitumen is commonly packed in new steel drums, 150, 180 & 220 Kg barrels, and Jumbo Bags or Flexitank. Likewise, the rest of the grades are ready to load Ex-work bulk Wataniya Bitumen by truck.

CHARACTERISTICS AND SPECIFICATIONS:

Wataniya Bitumen guarantees that the Bitumen Grade 40/50 is produced in compliance and conformity to International Standards such as AASHTO M20-70 & ASTM D946, also, meets the following specification requirements.

SPECIFICATIONS	UNIT	STANDARD	MIN	MAX
Penetration at 25 °C, 100g, 5s	dmm	ASTM D5	40	50
Softening Point	°C	ASTM D36	49	--
Flash Point	°C	ASTM D92	230	--
Ductility at 25 °C, 5 cm/min	cm	ASTM D113	100	--
Solubility in Trichloroethylene	WT %	ASTM D2042	99	--
Specific Gravity at 25 °C	g/cm^3	ASTM D70	1.01	1.06
AFTER THIN-FILM OVEN TEST (TFOT) ASTM D 1754				
Retained Penetration	%	ASTM D5	55	--
Drop-In penetration after Heating	%	ASTM D5	--	20
Loss on Heating	WT%	ASTM D6	--	0.2
Ductility at 25 °C	cm	ASTM D113	25	--
Spot Test	A.A.S.H.T.O. T102		Negative	

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