



## 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 are 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 Flexi tank. Likewise, the rest of 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 D 946, also, meets the following specification requirements.

SPECIFICATIONS	UNIT	STANDARD	MIN	MAX
Penetration	dmm.	ASTM D 5	40	50
Softening Point	°C	ASTM D 36	50	56
Specific Gravity	g/cm <sup>3</sup>	ASTM D 70	1.01	1.06
Flash Point	°C	ASTM D 92	230	--
Ductility at 25°C	Cm	ASTM D 113	100	--
Solubility in Trichloroethylene	WT %	ASTM D 2042	99	--
<b>AFTER THIN-FILM OVEN TEST (TFOT) ASTM D 1754</b>				
Loss on Heating	WT %	ASTM D 6	--	0.8
Retained Penetration	%	ASTM D 5	55	--
Increase in Softening Point	°C	ASTM D 36	--	10
Ductility	Cm	ASTM D 113	25	--
Spot Test	A.A.S.H.T.O.102		Negative	

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