



TECHNICAL DATA SHEET

PAVING GRADE 70/100

DESCRIPTION:

Bitumen 70/100 is a Penetration Grade of Bitumen according to the standard: BS EN 12591: 2009 typically used as a Paving Grade Bitumen suitable for road construction and to produce 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. The penetration grade bitumen has a thermoplastic property which causes the material to soften at high temperatures and to harden at lower temperatures. This unique temperature/ viscosity relationship is important when determining the performance parameters such as the adhesion, rheology, durability, and application temperatures of bitumen.

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 70/100 is produced in compliance and conformity to European Standards such BS EN 12591:2009. Also, it meets the following specification requirements:

| SPECIFICATIONS | UNIT | STANDARD | MIN | MAX |
|---|--------------------|----------------------|------|-------|
| Penetration 25°C, 100g,5s | 0.1 mm | EN 1426 | 70 | 100 |
| Softening Point | °C | EN 1427 | 43 | 51 |
| Flash Point | °C | EN ISO 2592 | 230 | -- |
| Solubility in Trichloroethylene | % | EN 12592 | 99 | -- |
| Penetration Index | -- | ANNEX A ^b | -1.5 | + 0.7 |
| Dynamic Viscosity | Pa.s | EN 12596 | 90 | -- |
| Fraass Breaking Point | °C | EN 12593 | -- | -10 |
| Kinematic Viscosity @ 135 °C | mm ² /s | EN 12595 | 230 | -- |
| ROLLING THIN FILM OVEN TEST | | | | |
| RESISTANCE TO HARDENING AT 163°C | | | | |
| Retained Penetration | % | EN 12607-1 | 46 | -- |
| Increase in Softening Point | °C | | -- | 11 |
| Change of Mass (Absolute Value) | % | | -- | 0.8 |

Address:

Head Office : Wataniya Group Building, Salim Street, Sulaymaniyah - Iraq
 Baghdad Office : Zaitun Street, Harthiya Quarter, Baghdad - Iraq
 Dubai Office : DMCC Business Center, Level No. 01, Unit No. 2631, Dubai - U.A.E.

Tel No.

+964 781 496 0222

Email

info@wataniyagroup.com

Website:

www.wataniyagroup.com