



Bitumen 85/100 Specification

Typical Technical Specification

Property	Test Method	Unit	Specification
Penetration at 25°C, 100g, 5 sec	ASTM D5	dmm	85 – 100
Softening Point (Ring & Ball)	ASTM D36	°C	45 – 52
Ductility at 25°C	ASTM D113	cm	Min. 100
Flash Point (Cleveland Open Cup)	ASTM D92	°C	Min. 230
Solubility in Trichloroethylene	ASTM D2042	%	Min. 99.0
Specific Gravity at 25°C	ASTM D70	-	1.01 – 1.06
Loss on Heating (TFOT)	ASTM D1754	wt. %	Max. 0.5
Retained Penetration after TFOT	ASTM D5	%	Min. 50
Ductility after TFOT at 25°C	ASTM D113	cm	Min. 50
Spot Test	AASHTO T102	-	Negative
Water Content	ASTM D95	%	Max. 0.2

Physical Characteristics

- **Product Name:** Bitumen 85/100
- **Grade:** Penetration Grade Bitumen
- **Appearance:** Black, homogeneous solid or semi-solid
- **Odor:** Mild petroleum odor
- **Water Solubility:** Insoluble
- **Chemical Composition:** Petroleum Hydrocarbon
- **CAS Number:** 8052-42-4

Typical Applications

Bitumen 85/100 is recommended for:

- Highway construction
- Asphalt concrete production
- Urban roads
- Residential streets
- Airport pavements
- Road maintenance
- Pavement rehabilitation
- Industrial paving

Suitable Climate

Bitumen 85/100 performs best in:

- Moderate climates



- Warm climates
- Tropical regions
- Areas with moderate seasonal temperature variations

Its relatively softer consistency provides improved flexibility and helps reduce the risk of thermal cracking.

Available Packing

- 180 kg New Steel Drums
- 150 kg Steel Drums
- 1 MT Jumbo Bags
- Poly Bags
- Bitutainers
- Bulk Tankers
- Flexi Tanks (subject to project requirements)

Shelf Life

When stored in clean, dry, and properly sealed containers under recommended conditions, Bitumen 85/100 maintains its quality for **at least 24 months**.

Quality Assurance

Each shipment is supplied with:

- Certificate of Analysis (COA)
- Commercial Invoice
- Packing List
- Certificate of Origin (if required)
- MSDS (Material Safety Data Sheet)
- Inspection Certificate (upon request)