



Bitumen 100/120

(Penetration Grade Bitumen)

PRODUCT DATA SHEET

Bitumen 100/120 is a specific grade of penetration bitumen, which is a type of bitumen commonly used in road construction and paving. Its properties ensure that it can perform well under varying temperature conditions, making it a versatile material in the construction industry.

| CHARACTERISTICS | UNIT | LIMITS | TEST METHODS |
|---------------------------------------|-------|------------|--------------|
| Penetration @25°C (77°F), 100gm, 5sec | 0.1MM | 100-120 | ASTM D5 |
| Softening Point °C | °C | Min. 40 | ASTM D36 |
| Ductility @25°C, 5 cm/min | CM | Min. 100.0 | ASTM D113 |
| Flash Point Cleveland open cup | °C | Min. 250.0 | ASTM D92 |
| Solubility in Trichloroethylene | % | Min. 99.5 | ASTM D2042 |
| After Thin-Film Oven Test | | | ASTM D1754 |
| - Loss on Heating | %Wt | Max. 0.5 | ASTM D6 |
| - Drop in Penetration | % | Max. 20.0 | ASTM D5 |
| Spot Test | - | Negative | AASHTO T102 |

Quality:

The quality of the bitumen is assured for every delivery with arrangement of international inspector to check quality and controlling the production by Quality Control and also by batch test report before shipping.

Application:

Bitumen 100/120 is a versatile material used primarily in road construction, maintenance, and various industrial applications. Its balanced softness and flexibility make it suitable for use in environments that require durable and long-lasting pavements, especially in regions with varying temperatures.

Application Temperature Ranges:

Heating Temperature for Mixing: 140°C to 160°C

Paving Temperature: 120°C to 140°C

Compaction Temperature: 100°C to 120°C

Health & Safety:

Bitumen is unlikely to present any significant health or safety hazard when properly used in the recommended application, provided good standards of industrial and personal hygiene are maintained.

Packaging:

New steel drums, reconditioned steel drums or Bulk in Bitumen Tank Containers.

Steel Drums : 180Kg, 200Kg
Bulk : Tank Container

Code Approvals/Compliance:

Meets: ASTM D946, AASHTO M 20-70(2004), MS 124: 2020

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