

Paving Grade Bitumen 35/50



Paving Grade Bitumen 35/50 is a high quality bitumen produced in Eni refineries with the most modern industrial processes and using appropriate crude oils. It has an optimum viscosity in the range of temperatures for mixing and laying that guarantees easy workability of the products, even for high stress conditions.

The product meets the European standard EN 12591 and achieves the maximum level of hardening resistance (severity 1).

PROPERTIES

| Properties | Unit | Values | | Method |
|--------------------------------------------|---------|--------|------|----------------------|
| | | Min | Max | |
| Penetration at 25°C | 1/10 mm | 35 | 50 | EN 1426 |
| Softening point, Ring & Ball | °C | 50 | 58 | EN 1427 |
| Penetration index | - | -1.5 | 0.7 | EN 12591 (ANNEX A) |
| Fraass breaking point | °C | | -5 | EN 12593 |
| Specific gravity 25/25°C | - | 1.00 | 1.10 | EN ISO 3838 |
| Flash point COC | °C | 250 | | EN ISO 2592 |
| Dynamic viscosity at 60°C | Pa s | 225 | | EN 12596 EN 13702 |
| Dynamic viscosity at 135°C | mPa·s | 370 | | EN 13702 |
| Solubility in organic solvents | % (m/m) | 99.0 | | EN 12592 |
| Resistance to hardening RTFOT: | - | | | EN 12607-1 |
| - change in mass (absolute value) | % | | 0.5 | |
| - retained penetration at 25°C | % | 53 | | EN 1426 |
| - increase in softening point (Severity 1) | °C | | 8 | EN 1427 |

The declared values are referred to homogeneous test samples, taken at the point of delivery using a sampling method according to the European EN 58 standard and prepared for the analysis according to the European EN 12594 standard.



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APPLICATIONS

- **Paving Grade Bitumen 35/50** produced by Eni, thanks to its very high performance in terms of resistance to aging, plasticity and behaviour at low temperatures, is employed to produce bituminous mixes constituting flexible structure for the paving of roadways, runways, pavement, track race and landing platform.

FURTHER INFORMATION

- Approximate temperatures:
Storage 160-170°C;
Mixing 160-180°C;
Compaction 150-170°C.
- The recommended maximum handling & storage temperature is 200°C.

