

Paving Grade Bitumen 50/70



Paving Grade Bitumen 50/70 is a high quality bitumen produced in Eni refineries through the most modern industrial processes and appropriate crude oils. It has an optimum viscosity in the range of temperatures for mixing and laying operations, that guarantees an easy workability 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	50	70	EN 1426
Softening point, Ring & Ball	°C	46	54	EN 1427
Penetration index	-	-1.5	0.7	EN 12591 (ANNEX A)
Fraass breaking point	°C		-8	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	145		EN 12596 EN 13702
Dynamic viscosity at 135°C	mPa·s	295		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	%	50		EN 1426
- increase in softening point (Severity 1)	°C		9	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 50/70** 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.

