

Paving Grade Bitumen 170/210



Paving Grade Bitumen 170/210 is a high quality bitumen produced in Eni refineries with the most modern industrial processes and using appropriate crude oils. The bitumen grade 170/210, has an optimum viscosity in the range of temperatures for mixing and laying 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	170	210	EN 1426
Softening point, Ring & Ball	°C	35	43	EN ISO 1427
Fraass breaking point	°C	-15		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	30		EN 12596
Ductility	%	100		ASTM D 113
Solubility in organic solvents	% (m/m)	99.0		EN 12592
Resistance to hardening RTFOT:	-			EN 12607-1
- change in mass (absolute value)	%		1	EN 12607-1
- retained penetration at 25°C	%	37		EN 1426
- increase in softening point (Severity 1)	°C		11	EN 1427
Penetration index	-	-1.5	0.7	ANNEX A di EN 12591

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 170/210** produced by Eni provides very high performance in terms of resistance to ageing, plasticity and behavior at low temperatures. Thanks to those properties its employed to produce bituminous mixes constituting flexible structure for the paving of roadways, runways, pavement, track race and landing platform.
- It has high-performance even in industrial sectors preparation of mixes for the production of membranes with SBS technology.

