

# Bitumen 160/220 for industrial uses

**Bitumen 160/220 for industrial uses** is a high quality bitumen produced at Eni refinery in Sannazzaro with the most modern industrial processes and using appropriate crude oils.

The product has a very good plasticity and excellent behaviour to low temperatures, so it is especially suitable for the realization of bituminous waterproofing membranes.

## PROPERTIES

Properties	Unit	Values		Method
		Min	Max	
Penetration at 25°C, 01/04 - 30/09	1/10 mm	160	190	EN 1426
Penetration at 25°C, 01/10 - 31/03	1/10 mm	190	220	EN ISO 1426
Specific gravity 25/25°C	-	1.00	1.07	EN ISO 3838
Softening point, Ring & Ball	°C	36	44	EN 1427
Fraass breaking point	°C		-16	EN 12593
Flash point	°C	250		EN ISO 2592
Solubility in organic solvents	% (m/m)	99.0		EN 12592
Volatility at 163°C:	-			ASTM D 6
- Loss in mass	% (m/m)		1.0	
- retained penetration at 25°C	%	37		EN 1426

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

## APPLICATIONS

- Bitumen 160/220 for industrial uses** produced by Eni, thanks to its penetration data and the specific chemical characteristics, is designed to provide compatibility with polypropylene polymers for the formulation of bitumen - polymer compounds used in the production of waterproofing membranes and in other industrial uses.

Two distinct range of penetration have been identified in order to adequately modulate, over the year, the binding properties in relation to the winter or summer formulation.



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- The product is a good bituminous base for other industrial applications, such as oxidized bitumen, pipe protection coatings, mastics and bituminous paints and special lubricants.

## FURTHER INFORMATION

- **Bitumen 160/220 for industrial uses** produced by Eni, is not the only product focused on industrial application. Eni produces also the bitumen 170/210 which is employed for the production of bituminous membranes through the preparation of mixtures with styrene - butadiene - styrene polymers.

