

BITUMEN R90-15

Oxidized Grade Bitumen

General Description

At the bitumen production reactor, during the air acting, the mixture of the two Vacuum Bottom (VB) and Vacuum Silabes (VS) feedstock are pressed under a special pressure and temperature between 200-300°C wherein the hydrogen content in bitumen oxidizes with oxygen of air; the so-obtained product has higher hydrocarbon polymerization reaction, lower penetration and higher softening point compared to the primary pure bitumen. This kind of bitumen has the softening point of 90 and permeability of 15.

Typical Applications

- Roofing and waterproofing applications (roofing felts, waterproof paper and boards, damp-proof course, floor adhesives, joint filling compounds, pipe coating, battery sealant and electric cable protection, ...)
- Covering the floor of water channels and cracks in the concrete surface

Pumping and Pouring Temperature

APPLICATION	RECOMMENDED TEMPERATURE	UNIT
Heating to permit pumping & pouring temperature	160 (min)	°C

Product Specification

ANALYSIS	VALUE*	UNIT	TEST METHOD
Density, 25 °C	1050 (Approx)	kg/m ³	ASTM D70 or D3289
Penetration, 25 °C	10-20	mm/10	ASTM D5
Softening Point	85-95	°C	ASTM D36
Ductility, 25 °C	1.5 (min)	cm	ASTM D113
Loss on heating	0.2 (max)	wt %	ASTM D6
Flash point (Cleveland open cup)	225 (min)	°C	ASTM D92
Solubility in CS2	99 (min)	wt %	ASTM D4

* Typical values; not to be considered as product specification