

**PRODUCT: Bitumen**

**Asphalt also known as Bitumen**, is a sticky, black and highly viscous liquid or semi-solid form of petroleum. It may be found in natural deposits or may be a refined product.it is a substance classed as a pitch. Until the 20th century, the term Asphaltum was also used.

**Application:**

The primary use (70%) of asphalt/bitumen is in road construction, where it is used as the glue or binder mixed with aggregate particles to create asphalt concrete. Its other main uses are for bituminous waterproofing products, including production of roofing felt and for sealing flat roofs.

Items	Unit	Standards
Density @ 25°C	Kg/m <sup>3</sup>	1010-1060
Penetration at 25 °C	mm/10	60-70
Softening Point	°C	49-56
Ductility @ 25°C	cm	100 Min
Loss on heating	WT. %	0.2 Max
Drop in penetration after heating	%	20 Max
Flash point	°C	332 Min
Solubility in Trichloroethylene	WT. %	99 Min
Spot Test	-	Negative
Viscosity @ 60°C	P	2000± 400
Viscosity @ 135°C	cSt	300 Min
Test on Residue From Thin Film Oven Test(ASTM D1754)		
Retained Penetration after(T.F.O.T)	%	54 Min
Ductility, (25°C),5cm/min,cm after TFOT	Cm	50
Viscosity @ 60°C	P	10000 Max