

PENETRATION BITUMEN

Bitumen is a black or dark-colored (solid, semi-solid, viscous), amorphous, cementitious material that can be found in different forms, such as rock asphalt, natural bitumen, tar and bitumen derived from oil, which is referred to as petroleum bitumen.

Bitumen or also called asphalt is a semi-solid substance obtained from the bottom of the distillation tank at an oil refinery. The base material is called slurry (or VB in some countries) which is a direct derivative of petroleum.

Currently most of the roads globally are paved with bitumen. Today the world's demand for bitumen accounts for more than 100 million tons per year which is approximately 700 million barrels of bitumen consumed annually.

Applications of Penetration Bitumen: Penetration Bitumen or asphalt is produced with a variety of grades for a range of applications. Penetration Bitumen is being used worldwide in road paving, bituminous membranes, roofing felts, glue and binder of the mix in asphalt cements.

Penetration Bitumen Specifications vary from each producer to other, but there are general aspects to understand the quality of the product demonstrated in the below table:



Penetration Bitumen				
Properties	Test method	Result		
Penetration @25 °C	ASTM D-5	40 – 50	60 – 70	80 – 100
Specific Gravity @25 °C	ASTM D-70	1.01 – 1.06	1.01 – 1.06	1.01 – 1.05
Softening Point °C	ASTM D-36	52 – 60	49 – 56	43 min
Flash Point	ASTM D-92	250 min	250 min	225 min

Available Packaging	
Package Type	Quantity per 20 FCL
200 KG New Steel Drum	110 Drums



Zista Group supplies different grades of Penetration Bitumen worldwide. The steady supply of Bitumen Emulsions by Zista Group is direct from certified Iranian producers.

For more information please do not hesitate to contact us; info@zistalube.com