



BUOYANCY[®]
IMPEX PVT. LTD.

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Oxidized Bitumen 150/5

Blown Bitumen 150/5 or Oxidized Bitumen 150/5 is Semi Solid grade of pure petroleum bitumen manufactured by air-blowing through an asphalt flux. Special physical properties of its grade can be used in different applications in the construction business. This type of bitumen is hard and breakable. It is the semi-solid oxidized grade of petroleum bitumen categorized in polycyclic aromatic hydrocarbons is normally used for different purposes in the construction industries. Bitumen 150/5 should be heated double temperature (200°-300°C) against the softening point to be able to have flow and viscosity. Normally heating of such hard oxidized bitumen should be arranged via hot oil by circulation inside of the isolated jacket. It is a petroleum based bitumen which is made by blowing Bitumen 60/70 by very hot air. The numbers relate to the midpoint of the material's softening point and penetration respectively. The softening point value is the degrees Centigrade measured by the Ring and Ball method as determined by ASTM D36. The penetration value is in 1/10 mm as determined by IP49 or ASTM- D5. This product, utilized in the industrial sector, exhibits predominantly "solid" characteristics at ambient temperatures and provides SUPERIOR adhesive and waterproofing qualities when applied hot and allowed to cool than Oxidized Bitumen.

All grades of Oxidized bitumen BUOYANCY[®] exports are fully compliant with ASTM, AASHTO, Equivalent to BS/EN International Standards and Test Methods

Parameters	Test method	Unit	Specification
Specific gravity @25/25 °C	ASTM D70	(Kg/m ³)	1.05 approx.
Penetration @ 25°C	ASTM D5	mm/10	4/6
Softening point °c	ASTM D36	°C	145/155
Loss on heating(wt) %	ASTM D6	Wt. %	0.2 Max
Flashpoint °c	ASTM D92	°C	250 min
Solubility is CS ₂ (wt) %	ASTM D4	Wt. %	99.5 max
Spot test	A.A.S.H.T.O 102	...	Negative
Ductility @25 °c	ASTM D113	cm	1.5min

Application/Uses

Oxidized Bitumen is used in chemical, fuel, paints, lacquers, varnishes, paper-pulp-board, textile processing, road construction, pavement ,crack seal and repairmen, civil works, roofing, construction industries; sealing and insulating buildings, adhesive, construction materials additive, dust-binding, insulating and impregnating agent, make rubber and plastic products.

Accredited: ISO9001:2015 | ISO 14001:2015 | ISO45001:2018



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Blown Bitumen products are for packing and are also used in asphalt-based paints for corrosion protection of metals, in lining public works structures, adhesives in electrical laminates, base for synthetic turf. Typical uses also include water-proof application and corrosion resistance for pipe coating, Portland cement pavement, hydraulic applications, paint manufacturing, caulking, mastics, damp proofing, manufacturing isolation bitumen membrane sheets, Car undercoating Automobile industry.

Storage/handling

The validity of Oxidized Bitumen is usually 10 years with multi-time heating and cooling. Furthermore some of the major advantages of this type of bitumen are that it is completely water resistant, highly flexible and durable. In addition, it is chemically very stable. Oxidized Bitumen is very flexible compound that is not only chemically stable but also a very durable compound apart from being completely water resistant. Lastly, Oxidized Bitumen has some very prominent technical advantages that makes it a very sought after compound in various applications.

Packaging

Kraft bag, melt able plastic bag, drum and bulk asphalt 105/15 from penetration grade bitumen, which is blown by hot air in a controlled process until the desired specification is reached.

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