



SHETH INSULATIONS PVT. LTD.

Dealers & Contractor in Thermal Insulation & Waterproofing Materials

Your Energy Saving Partner



Bitumen:

Bitumen is black, sticky and viscous liquid or semi solid form of petroleum. It occurs naturally or refined product obtained during distillation of crude, petroleum oil without any subsequent amalgamation.

The material shall not foam when heated to 175 Deg C and it does not contain any other mineral other than naturally present in the material.

Generally bitumen is used in Roads, Airfield and Allied Construction. Also some of the grades are used for Industrial Purpose for water proofing, Plasticity, Adhesion and Resistance towards acid and alkali.

Characteristics: (Industrial Grade Bitumen)

Industrial Grade	80/90	110/120	85/40	85/25	90/15	115/15	135/10	155/6
Specific Gravity at 25 Deg C	1.03-1.08	1.04-1.09	1.00-1.05	1.00-1.05	1.00-1.06	1.00-1.06	1.02-1.07	1.02-1.07
Flash Point (Deg C)	200	200	225	225	228	225	225	228
Softening Point (Deg C)	80-90	110-120	80-90	80-90	85-100	110-120	130-140	150-160
Penetrating at 25 Deg C ,100 g, 5 sec, in 1/100 cm	6-12	3-7	35-45	20-30	10-30	8-20	7-12	2-10
Ductility at 27 Deg C	-	-	3	3	2	2	1	0
Loss on Heating by weight	0.10	0.10	0.30	0.30	0.30	0.30	0.30	0.30
Percent by weight soluble in Carbon Disulphide	99	99	99	99	99	99	99	99

Application:

- In Building & Roofing – Manufacturing of Roofing felt, Adhesive, Primer, Damp Proof, coating compositions, liquid roof coatings, plastic cement and not carriage roofing compounds.
- Industrial use – Lamination, Manufacturing of caulking compounds, Joint Fillers, Rubber Extender, Battery sealing compound, Cable Filling compound Etc.



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Advantages:

- Easy to apply
- Excellent durability
- Cost effective and easily available.

Precaution & Limitations:

- Avoid contact with Skin/ eyes and avoid swallowing
- Ensure adequate ventilation and avoid inhalation of vapour
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then clean with soap and water. Do not use solvent to clean contacted area
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- In swallowed, seek medical attention immediately. Do not induce vomiting.

Packing :

- Available in 200 Kg Drum and 25 Kg Cake

Storage :

Keep in cool and dry place in air tight containers under shed away from heat.