



SUPREME BLOWN BITUMEN - [PC-1117]

Oxidised Bitumen for Waterproofing / Other Application

PRODUCT DESCRIPTION :-

Supreme Blown Bitumen is a dark, petroleum residue modified by the oxidation process. Its consistency ranges from highly viscous to solid. Blown Bitumen has multiple uses in industry and a wide range of applications and has characteristics of Waterproofing, Plasticity, Adhesion and resistance towards acid and alkalis. It also makes an efficient electrical insulator, because it has excellent dielectric strength.

CHARACTERISTICS :-

- Characteristics of Supreme Blown Bitumen are given in the Annexure A attached herewith.

APPLICATION :-

- In building floors:** damp-proofing and waterproofing; acid-alkali resistant flooring, conductive flooring; sparkless flooring.
- In building/roofing:** manufacture of roofing felts, adhesives, primers, damp-proof coating compositions, liquid roof coatings, plastic cements and hot carriage roofing compounds.
- Hydro projects:** canal lining, embankment, hydraulic structure, dam lining protection and sand stabilisation.
- Roads:** construction and maintenance.
- Industrial use:** lamination, manufacture of caulking compounds, joint fillers, rubber extenders, battery sealing compounds, cable filling compounds etc.

ADVANTAGES:-

- Easy to apply
- Excellent durability
- Comparatively cheaper and widely available.

APPLICATION METHODOLOGY :-

- Heat gradually till the bitumen melts completely. Heat the required quantity only.
- Continuously stir to prevent local overheating. A thermometer should be used to ensure that the bitumen is not overheated or it will lose much of its properties.
- Bitumen brought up to its normal working temperature is applied with a brush or by pouring and spreading using a rubber squeegee.

HEALTH & SAFETY :-

- Use goggles, gumboots, nose covers and hand gloves during application
- Clean hands with warm soap water after application.

PACKING :-

- Available in 150 Kg drums or 50 kg cakes.

STORAGE :-

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

Specification of Bitumen Annexure A

BITUMEN	STRAIGHT GRADE*		INDUSTRIAL GRADE**			IS SPECIFICATION
LS Grade	30/40	10/20	85/25	90/15	115/15	
Specific Graviy at 27°C minium	5.35	75/15	85/25	90/15	115/15	
Flash point Pensky martens cloused type, °C minium	0.99	1.03/1.05	1.01/1.05	1.01/1.06	1.01/1.06	IS:1202:1978
	175	200	225	228	225	IS:1202:1978
Softening Point °C	50 to 65	65 to 80	80 to 90	85 to 100	100 to 120	IS:1202:1978
Penetration at 25°C, in cm minium	30 to 40	10 to 20	20 to 30	10 to 20	8 to 10	IS:1202:1978
Ductility at 27°C , in cm minium	12	2.5	3	2	2	IS:1202:1978
Loss on heating, percent by weight, maximum	1	0.3	0.3	0.3	0.3	IS:1202:1978
Percent by weight soluable in carbon-disulphide, min	99	99	99	99	99	IS:1202:1978
Industrial Uses						
Waterproofing						
Explosive Industry						
Bituminous Paper						
Paints, Varnishes and Japans						
Cold Storage and Refrigeration						
Printing Inks						
Electrical Cable Manufacture						
Battery Sealing Compounds						
Pipe Coating						
Joint Filler Compounds						
Mastic Flooring & roofing						
Damp Proof Courses						

Note: All Blown Bitumen grades are as per IS specification confirming to IS-702.

Our products are well tested and supported with test report of Government Recognized Laboratories. You are requested to send your valuable enquiries to our below addresses.



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