HOT BITUMEN

HOT BITUMEN FOR DAMP PROOFING AND WATER PROOFING

DESCRIPTION

HOT BITUMEN is manufactured by modifying the properties of straight run bitumen.

STANDARDS

HOT BITUMEN complies with ASTM D 449 - Type I for damp-proofing and water proofing.

USES

HOT BITUMEN is recommended for a wide variety of applications. These include,

- Mop coat for damp proofing.
- Moping cement in the construction of membrane waterproofing system with fabrics and glass mat.
- Protection of underground concrete, bridges, culverts, retaining walls, tank surroundings, dams conduits, decks, foundations, tunnels etc.
- Crack filling in black top surfaces.

PROPERTIES

HOT BITUMEN has good adherence on vertical and sloped surfaces even under direct sunlight in temperatures exceeding 50 ^{0}C.

It is resistant to moisture penetration and demonstrates satisfactory water proofing properties.

Resists fungus attack or similar forms of deterioration.

It is quick drying. Additional coats can be applied with minimum time lapse between coats.

TECHNICAL DATA

Form	Solid
Solid contents	100%
Softening point ^{O}C (ring & ball)	
Minimum	46
Maximum	60
Flash Point (Cleveland open cup)	Min. 232 ^{o}C
Penetration; 25 ^{0}C; 100 gm/ 5sec	60 to 70 dmm.
Solubility in Trichloroethylene	99%

PACKAGING

HOT BITUMEN is supplied in 170 Kg drums and 15 Kg pails.

SHELF LIFE

Up to 2 years in original packing.

STORAGE

HOT BITUMEN should be stored away from sources of extreme heat and open flame.

SURFACE PREPARATION

The surface should be clean, dry and free from dirt, oil, grease etc.

PRIMING

Cementitious surfaces are preferred to be primed with CAPSOLVENT primer.

The primer may be applied using a brush or mop and spread at the rate of 0.2 to 0.4 kg/m^2. The primer must be dry prior to application of HOT BITUMEN.

APPLICATION

HOT BITUMEN is supplied in solid form and must be heated into a molten state just before application.

It must be applied hot using a trowel, stiff brush or a mop.

Following the removal of the packaging, heating is achieved by placing portions of the HOT BITUMEN into a purpose made bitumen boiler. During the heating process the maximum temperature of the bitumen should not exceed 235^{0}C. Manual temperature controls should be adopted to ensure limit of maximum heating.

The molten bitumen should be transferred in a suitable container from the boiler to the point of application and applied using any of the above mentioned methods.

COVERAGE

Rate of application will depend upon Engineers requirement and may vary from application to application.

As a general rule, two coats should be applied at a spread rate of 1-1.5 kg/m^2 per coat.

CLEANING OF TOOLS

All tools and equipment should be cleaned using petroleum base solvents.

FIRE

In case of fire, the same should be extinguished with dry powder, carbon-dioxide, foam, sand or earth. **DO NOT** attempt to use water for this purpose.

Do not allow water to come in contact with hot bitumen. Never attempt to heat **HOT BITUMEN** in a closed container. The closed container might explode due to pressure development.

HEALTH & SAFETY

Care should be taken when handling molten bitumen. Strictly recommended to use protective clothing, gloves, goggles etc.

Do not allow contact of hot bitumen with skin or eyes. In the event of contact, immediately apply ice or cold water at first instance and seek medical assistance.

HOT BITUMEN is a non-hazardous material.

TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note *:* The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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