

HYDROBIT FBE

Fibre Reinforced High Build Bitumen Emulsion

Description:

HYDROBIT FBE is a single component brush applied high build bitumen emulsion containing with natural fibers, stabilizing agents and thickeners of brushing consistency which dries to give a firm, continuous seamless waterproof membrane which can fill and seal hairline cracks, pinholes and minor surface imperfections.

Uses:

- General water proofing applications
- Damp proofing of cement sheets.
- Roofing felts, wooden substrates.
- Protection of steelwork.
- Cement pipes and metal.
- As curing membrane for concrete.
- As vapour/salt barrier and damp proofing behind granite, marble, curtain walls, etc.
- For maintenance of roofs including light weight screed, bitumen sheets, asbestos, slate, built up felt, etc.
- As a curing compound on freshly casted concrete substructure.

Advantages:

- Superior anti-sagging ability on vertical
- Water based, single component
- Cold applied, no heating required
- Can be applied on damp substrates
- Reduced chloride penetrations due to hard impermeable surface
- Multipurpose, serves both as protective coating and curing membrane
- Environmentally friendly. Contains no solvents, no health hazards.
- Asbestos free, odourless. Can be applied in closed and confined spaces.
- Easy application due to paintable consistency.
- Can be applied on damp surfaces.

Instructions for Use:

Surface Preparation:

The surface which HYDROBIT FBE is to be applied must be clean and free of dust, traces of curing compound, or any other material which may impair adhesion.

All surface imperfections should be removed and repaired. Old concrete must be structurally sound prior to application.

Application:

Stir well until homogenous mix is achieved. In case of part use close the drum tightly in order to avoid the gelling of the part material.

Apply by brush or roller. Two or more coats must be applied to ensure a durable finish. Second and subsequent coats should be applied at right angles to each other once previous coat have fully cured.

Below Ground:

Apply HYDROBIT diluted 1.2 with clean water as a prime coat onto the prepared substrate. Then apply HYDROBIT FBE evenly over the dry primed surface.

Roof waterproofing in non-critical areas:

The roof slab must be at least 28 days old, the surface should be prepared by priming with HYDROBIT diluted 1.2 with clean water.

Vertical upstands should be coated with HYDROBIT FBE after the surface is primed and dried, turned down onto the deck for 75 mm (over a 20x20 sand/cement fillet).

When the HYDROBIT FBE applied to the upstands has dried, same should then be applied to the whole area @ wft of 1 mm (1 liter/m²) over coating all preparatory work.

HYDROBIT FBE can be applied to damp but not water clogged surfaces, dampen brushes before and occasionally during use to avoid clogging and ease application.

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When subsequent coats are applied, each coat should be completely dry before the next coat in order to avoid possible air bubbles due to evaporation of water in the subsequent coat.

HYDROBIT FBE can be applied on several kind of surfaces such as concrete, blocks, brick, corrugated sheets, asbestos. For application on metal surface (zinc, steel, etc.), it is not recommended to keep it exposed as the coating will be soften and crack due to high temperature climate.

Standards:

- ASTM 1227-13 TYPE 2 CLASS 2
- ASTM C309

TECHNICAL PROPERTIES:	
Color	Dark Brown/ Black Coating
Solid Contents	60 ± 5%
Specific Gravity	1.05 ± 0.05 @ 25°C
PH	9-11
Service Temperature	-10°C to 85°C
Viscosity	Thixotropic
Heat Resistance at 100°C	No sag, blistering or slippage
Drying Time	4 hours at 35°C
Chemical Resist.	Aqueous groundwater salt solutions, mild detergent, acids and alkalis

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Packaging:

HYDROBIT FBE is available in 200 liter drums.

Coverage:

HYDROBIT FBE achieves coverage of 2 to 3 square meters per liter. Depending on the dry film thickness required. 400 micron dry film thickness (DFT) can be achieved when applied at 1 square meters per liter per coat.

*Coverage rate is an approximate value, and subject to actual site conditions.

Stored in original packing in dry conditions away from direct sunlight and high humidity levels.

Shelf Life:

HYDROBIT FBE can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Cleaning:

Clean all tools with clean water before product hardens.

Health and Safety:

Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

FIRST AID:

Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.

Skin: Wash skin thoroughly with soap and water

Inhalation: Remove to fresh air, keep patient rested

Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to HYDROBIT FBE Material Safety Data Sheet.

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