Technical Data Sheet

HYDROBIT

Cold Applied Bituminous Emulsion

Description:

HYDROBIT is a cold applied water based non-fibrated bitumen emulsion. It is a mix of selected bitumen emulsified with water and the addition of special additives, to give an easy applied protective coating. HYRDROBIT, once dries give a firm, flexible, jointless waterproofing and protective coating to the substrate.

HYDROBIT is suitable for the treatment of concrete, asphalt, metal, roofing felt and other similar surfaces whether flat, sloping or vertical.

Applications:

- 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.

Advantages:

- Vapour permeable allows substrate to breathe.
- Reduced chloride penetration.
- Simple and easy to use.
- Solvent free and cold applied.
- Non-slumping.
- Easy application due to paintable consistency.

Instructions for Use:

Surface Preparation:
All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease.

Cut and reseal blisters in asphalt or roofing. Remove chippings other than those that form the surface of mineralized felt. Porous surfaces such as concrete and fiber reinforced cement should be primed using HYDROBIT diluted 1:4 with clean water. Old concrete and steel must be structurally sound prior to application.

Mixing:
HYDROBIT is a single component ready to use emulsion. Shake the barrel well to mix any settled material prior to application.

Application:
HYDROBIT can be applied with a roller, trowel, brush or a spraying machine. It is recommended to apply two coats in case of roller or brush applications. Second coat should be applied at right angle to the first coat. Minimum rate of spreading for each coat should be at a rate from 3 to 5 m^2 per liter per coat.

HYDROBIT may be applied to damp but not wet surfaces. Dampen brushes before and occasionally during use to avoid clogging and ease application. During hot, dry weather application may be assisted by dampening the surfaces which to be treated.

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.

To provide a good key to fix tiles on top of screed, plastering, or for protection against foot traffic, spread the second coat while it is still tacky with clean sand.

HYDROBIT can be applied on several kind of surfaces such as concrete, blocks, brick, corrugated sheets, asbestos, zinc, steel, etc.

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Technical Compliance:

HYDROBIT conforms to:

- ASTM D2939, C309

Packaging:

HYROBIT is available in 200 liter drums.

TECHNICAL PROPERTIES:		
Solid Contents	:	40% + / -3%
Specific Gravity	:	1.10@ 25°C
Service Temperature	:	-30°C to + 85°C
Flashpoint	:	Non flammable
Drying Time	:	6 to 8 hours
Appearance		Dark black/brown coating. Cures to a hard tack free finish
Chemical Resistance		Water, aqueous groundwater salt solutions, mild detergent, acids and alkalis

Coverage:

HYRDROBIT achieves coverage of 3 to 5 square meters per liter.

Storage:

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

Shelf Life:

HYDROBIT 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:

- Use goggles and gloves during application. Do not breathe the vapor of the product. Use only in well ventilated areas.
- Avoid contact with eyes or skin.

In case of eyes contact, clean immediately with plenty of clean water and seek medical care

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