

HYDROBIT RBE

Water Based Rubberized Cold Applied Bituminous Coating

Description:

HYDROBIT RBE 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. HYDROBIT RBE, once dries gives a firm, flexible, jointless waterproofing and protective coating to the substrate.

HYDROBIT RBE is suitable for the treatment of concrete, asphalt, metal, roofing felt and other similar surfaces.

Uses:

- Can be used for general waterproofing applications.
- Waterproofing for wet areas such as kitchens and bathrooms.
- Damp proofing of cement sheets, facades, etc.
- Cement pipes and metal. Protection against corrosion.
- Waterproofing coat for concrete footings and retaining walls.
- For maintenance of roofs including light weight screed, bitumen sheets, asbestos, slate, built up felt, etc.
- Acts as a vapor/salt barrier for exterior walls behind granite, marble, cladding, curtain walls, etc.
- To provide waterproofing separation layer between screed flooring.
- As a curing compound on freshly casted concrete substructure.

Advantages:

- Vapour permeable allows substrate to breathe.
- Reduced chloride penetration.
- Simple and easy to use.
- Solvent free and cold applied.

- Seamless, asbestos free, flexible. Coating once cured.
- Easy application due to paintable consistency.
- Can be applied on damp surfaces.
- Compatible to all bituminous products.
- Excellent resistance to mild acids and alkalis.

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 RBE diluted 1:2 with clean water. Old concrete and steel must be structurally sound prior to application.

Mixing:

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

Application:

HYDROBIT RBE 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 m² per liter per coat.

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

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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.

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

HYDROBIT RBE 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.

For waterproofing the underground structures, such as footings, HYDROBIT RBE can be applied into green concrete immediately after removing the shutter. The applied coat will act as an effective curing membrane to the concrete. Apply the second coating once the first coat is dry. Backfill once the final coat is totally dry. Ensure that the applied coating is not getting damaged while backfilling due to ongoing site activities.

HYDROBIT RBE can be applied as an adhesive to fix insulation boards such as cork and polystyrene to the concrete.

Standards:

- ASTM D1187, D2939, C309
- BS 8102

Packaging:

HYDROBIT RBE is available in 20 liter pails and 200 liter barrels.

TECHNICAL PROPERTIES	
Appearance	Dark black/brown coating. Cures to a hard tack free finish
Solid Contents	45%±5
Rubber Content	5%
Specific Gravity	1.0 ± 0.03 kg/lit
Service Temp.	-10°C to + 85°C
Flashpoint	Non flammable
Drying Time	4 hours at 35°C
Over Coating Time	14 hours at 35°C
Chemical Resist.	Water, aqueous groundwater salt solutions, mild detergent, acids and alkalis
Application Temperature	+5 to +55°C

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

Coverage:

HYDROBIT RBE achieves coverage of 3 to 5 square meters per liter.

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

Storage:

Store in original packaging in dry conditions away from direct sunlight and high humidity levels.

Shelf Life:

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

Cleaning:

Clean all tools with clean water before product hardens.

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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 RBE Material Safety Data Sheet

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MATEX warrants that its products are free from material and manufacturing defects. Instructions on how to use the product should be strictly followed to ensure effectivity and safe use. MATEX shall not be liable either directly or indirectly for any damages to personal, equipment or products that may occur as a consequence of the failure of any products application because it has no direct or continuous control over where or how its products are applied. It is the user's responsibility to acquire always the updated version of datasheets.



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