

# HYDROBIT RB15

## Highly SBS Rubberized Liquid Applied Bituminous Waterproofing Membrane

### Description:

HYDROBIT RB15 is a superior quality, cold applied, water based highly SBS rubberized, flexible bitumen liquid applied membrane. It is a mix of selected bitumen emulsified with water and the addition of high content of polymer additives, to give an easy applied protective coating. Once dries the product gives a firm, high build flexible, jointless waterproofing and protective coating.

HYDROBIT RB15 is suitable for the treatment of concrete, metal, roofing and other similar surfaces whether flat, sloping or vertical.

### Applications:

- 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:

- High build high solid liquid applied membrane
- Vapor permeable allows substrate to breathe.
- Reduced chloride penetration.

- Excellent resistance to chemicals.
- Solvent free and cold applied
- Once dries it give high flexible coating and can accommodate structure movement.
- Seamless, asbestos free, flexible. Coating once cured.
- Easy application due to paintable consistency.
- Excellent adhesive to most building surfaces.
- Superior protection for underground concrete against salty water.
- Can be used to gutters protection against acid.
- Can be used as a high-quality waterproofing system for wet areas as in kitchen and bathroom.
- Can be used as waterproofing, protection and curing when applied on concrete substructure

### 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 should be primed using HYDROBIT diluted 1:2 with clean water. Old concrete and steel must be structurally sound prior to application.

#### Mixing:

HYDROBIT RB15 is a single component ready to use emulsion. Shake the barrel well to mix any settled material prior to application.

#### Application:

HYDROBIT RB15 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.

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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<sup>2</sup> per liter per coat.

HYDROBIT RB15 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.

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 RB15 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 RB15 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 RB15 can be applied as an adhesive to fix insulation boards such as cork and polystyrene to the concrete.

## Standards:

- ASTM D1187, D2939, D1227
- BS 8102

## Packaging:

HYDROBIT RB15 is available in 20 liter pails and 200 liter barrels.

| TECHNICAL PROPERTIES             |                                                                |
|----------------------------------|----------------------------------------------------------------|
| Appearance                       | Dark black/brown coating.<br>Cures to a hard tack free finish. |
| Solid Contents                   | 65% $\pm$ 3                                                    |
| Rubber Content                   | 15%                                                            |
| Specific Gravity                 | 1.1 @ 25°C                                                     |
| Service Temp.                    | -15°C to + 85°C                                                |
| Recovery                         | 100%                                                           |
| Flashpoint                       | Non flammable                                                  |
| Drying Time                      | 4 hours at 35°C                                                |
| Over Coating                     | 14 hours at 35°C                                               |
| Water Vapor Transmission         | <0.2                                                           |
| Tack free and over coating time  | 60 minutes                                                     |
| Full Dry                         | 3 days                                                         |
| Elongation at break              | >1000%                                                         |
| Tensile Strength                 | >0.2 N/mm <sup>2</sup>                                         |
| Crack Bridging Ability (2 coats) | 3.2 mm                                                         |
| Application Temperature          | +5 to +55°C                                                    |
| VOC                              | <50 g/l                                                        |
| Vapour Permeability              | 0.3 gr/m <sup>2</sup> /24h                                     |

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

## Coverage:

HYDROBIT RB15 achieves coverage of 2-4 square meters per liter per coat.

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

## Storage:

HYDROBIT RB15 to be stored in original packing in dry conditions away from direct sunlight and high humidity levels.

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## Shelf Life:

HYDROBIT RB15 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 vapor 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 RB15 Material Safety Data Sheet.

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