



# RUBBER BITUMEN EMULSION

## Rubber Latex Modified Waterproofing Solution for Wall and Floors

### Technical Data Sheet



### BITUBOND BITUMEN SOLUTIONS & COMPOUNDS RANGE

#### Description:

A rubber bitumen emulsion, dark brown in colour, used to prevent water ingress and damp on walls and floors. It dries to form a black, flexible coating, which is odour and taint-free.

#### Features & Benefits:

- ◆ Cold applied.
- ◆ Waterproofs and damp proofs substrates.
- ◆ Solvent-free.
- ◆ Resistant to extreme heat and cold.
- ◆ For interior and exterior use.

#### Uses

Bond It RUBBER BITUMEN EMULSION provides a highly effective cold applied, damp-proof membrane in sandwich constructions and can also be used as a waterproofer for floors, walls and other above ground structures. It also acts as a curing membrane when applied to green concrete.

RUBBER BITUMEN EMULSION is equally effective as an adhesive for wood blocks, wood mosaic panels, insulation boards, expanded polystyrene and cork panels, or as a plaster bonding agent on difficult surfaces.

This product is also suitable for tanking silage pits.

#### Preparation

All phases of the installation should comply with BS 8102:2022 Code Of Practice - for protection for buildings against water from the ground.

- **Site preparation:** Base concrete should be finished off with a wood float to give a smooth surface. Tamped surfaces are not suitable owing to the difficulty of ensuring an adequate coating over the high spots. Prime the concrete as stated below, before applying the undiluted RUBBER BITUMEN EMULSION.

- **For other uses:** In all cases, the surfaces should be smooth, clean and free from dust, grease or oil or any other contamination prior to the application of RUBBER BITUMEN EMULSION.

#### Priming

To obtain adequate adhesion it is important that sub-floors, especially porous ones, are first primed as follows:- prime porous surfaces with BITUMEN PRIMER. Brush well into the surface and allow to dry. Alternatively use RUBBER BITUMEN EMULSION diluted 1:6 with water as a primer coat and allow to dry before applying subsequent coats.



#### Application

- **Damp-proofing floors:** Apply by brush, a minimum of 2 coats, each at 1L per m<sup>2</sup> carrying the treatment up the walls to join the existing wall d.p.c. Allow the first coat to dry before applying the second coat at right-angles to the first. When dry, a sand/cement or concrete screed of approximately 50mm thick is then laid over the RUBBER BITUMEN EMULSION.

- **Waterproofing walls:** If a condition of rising damp exists, the best form of treatment must be the insertion of repair of a damp-proof course. Where dampness is due to penetration of the wall, proceed as follows:-

a) **Exterior walls:** level uneven surfaces, including brickwork, with cement mortar. Apply 3 coats of RUBBER BITUMEN EMULSION with a soft bristled brush, each at a rate of 0.5 litre per m<sup>2</sup> allowing each coat to dry before applying the next. Allow the final coat to become tacky, then blind with clean, sharp sand.

b) **Interior walls (moderately damp walls):** remove wallpaper, loose emulsion or gloss paint and any dust or grease. Make good any damaged or perished plaster. Lightly dampen the prepared surface with clean water and apply 2 coats of RUBBER BITUMEN EMULSION with a soft bristled brush, each at the rate of 0.5 litre per m<sup>2</sup> allowing each coat to dry before applying the next. A horizontal strip about 300mm deep should be left uncoated at the top running the whole length of the wall. This permits trapped moisture to escape by evaporation.

c) **Interior walls (very damp walls):** wherever possible very damp walls should receive an external treatment. If this is not possible the following procedure may be of benefit, although it must be emphasised that only adequate external treatments will cure the most severe conditions. The old plaster must be hacked away to expose the brickwork over the complete area, any damage to joints or brickwork should be made good with cement mortar to provide an even surface. When the mortar has set, apply 3 coats of RUBBER BITUMEN EMULSION each at the rate of 0.5 litre per m<sup>2</sup> allowing complete drying between coats. When the final coat has thoroughly dried the wall should be replastered.

#### Decorating

- **Gloss Paints:** gloss paints and other oil or alkyd based materials must not be used over a surface treated with RUBBER BITUMEN EMULSION.

- **Emulsion Paints:** Where RUBBER BITUMEN EMULSION has been used over plaster, it is recommended that a lining paper, fixed with cellulose paste, should be hung. This provides a suitable surface for emulsion paints.

- **Wallpaper:** the surface should be covered with a lining paper fixed with cellulose paste prior to paper hanging. Vinyl coated papers or paperbacked vinyls should NOT be hung over RUBBER BITUMEN EMULSION.

### Waterproofing Structures

RUBBER BITUMEN EMULSION will provide a waterproof membrane on bridge abutments, retaining walls, culverts, concrete or brick foundations. It acts as a curing membrane when applied to green concrete. The surface should be sound and free from dust, dirt and grease. Hot, very dry or absorbent surfaces should be dampened slightly with water. Apply two coats of RUBBER BITUMEN EMULSION each at the rate of 0.5 litres per m<sup>2</sup> (approximately).

### Fixing Wood Blocks and Wood Mosaic Flooring

For fixing wood blocks of 12mm thickness and above, dip the bottom face of each block into the material and place into position immediately. Coverage is approximately 1.1 litres per m<sup>2</sup>.

For fixing wood mosaic panels, spread RUBBER BITUMEN EMULSION on the surface at 0.8 litres per m<sup>2</sup> and place the panels into position immediately. A minimum 24 hours should be allowed to elapse before commencing sanding operations.

Where underfloor heating is incorporated in the sub-floor the heating must be switched off for at least 48 hours before and after laying is completed.

**Note:** on non-porous or low porosity surfaces, allow the emulsion film to partially dry before placing the wood mosaic panels.

In most circumstances a period of 30-40 minutes will be sufficient, but do not allow to dry completely off. Under no circumstances should such floorings be laid on existing floorcoverings.

### Keying Treatment

Where a "keyed" surface is required for plastering onto, such as glazed tiles, gloss painted walls and bricks, or to bond sand/cement renders, apply 2 coats of emulsion each at a minimum rate of 0.25 litres per m<sup>2</sup>. Allow the first coat to dry and blind the second coat while wet with clean, sharp sand. Allow to dry for at least 48 hours before plastering or rendering (at least 6mm thickness).

### Fixing Insulation Board, Expanded Polystyrene and Cork Slabs

Surfaces should be level, clean and free from dust or loose matter. A coat of RUBBER BITUMEN EMULSION should be applied to the porous base and the insulation material placed whilst the product is still wet. If necessary, boards should be supported until the emulsion has set. Coverage approximately 0.4-0.6 litres per m<sup>2</sup>.

### Drying Time

Drying will vary depending on weather conditions and time allowed for adhesive to develop a tack. 24 to 48 hours is typical. However, heavy applications will result in extended drying times.

### Cleaning Of Tools

Clean immediately after use with water. Use paraffin (kerosene) or Bond It WHITE SPIRIT if product has dried.

### Size

2.5, 5 and 25L cans.

### Colour

Dark brown solution.

### Shelf Life

12 months from date of manufacture under good storage conditions in original, unopened containers.

### Storage Conditions

Store under cover out of direct sunlight, at a temperature of between +5°C and +40°C. Protect from frost - do not allow to freeze.

### Disposal Of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any tins or used material to a central disposal point in accordance with local regulations.

### Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

**Note: this information is for general guidance only, since site conditions and labour are beyond our control.**



## Specification Summary

Flashpoint	Non-flammable
Solids Content	50% minimum
Application Temperature Limits	Between +5°C and +30°C
Density	1.0
VOC Level	0g/L
Commodity Code	2715000000

## Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDB008	Dark brown	2.5L	5060021360861	-
BDB009	Dark brown	5L	5060021360878	-
BDB010	Dark brown	25L	5060021360861	-



## Part of the Bond It Bitubond Range

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Certificate Number 6152  
ISO 9001  
ISO 14001  
ISO 45001

**Note:** The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



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