

BITUBOND RUBBER BITUMEN EMULSION

For Walls and Floors

Description

A rubber/bitumen emulsion, dark brown in colour. It dries to form a black, flexible coating, which is odour and taint-free.

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.

Preparation

All phases of the installation should comply with BS Code Of Practice 102:1973 - Protection of Buildings from the ground/ Section 3.

For use as a sandwich d.p.m

♦ **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 1 part **RUBBER BITUMEN EMULSION** diluted with 6 parts clean cold water. Brush well into the surface and allow to dry.

Application

STIR WELL BEFORE USE.



♦ **Damp-proofing floors:** Apply by brush, a minimum of 2 coats, each at 0.8 litres per m² 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 m² 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 3 coats of **RUBBER BITUMEN EMULSION** with a soft bristled brush, each at the rate of 0.5 litre per m² 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 m² 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 paper-backed 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 m² (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 m².

For fixing wood mosaic panels, spread **RUBBER BITUMEN EMULSION** on the surface at 0.8 litres per m² 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 m². 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 m².

Safe Handling Precautions

Flammability: Non-Flammable

Skin Contact: Occasional contact is unlikely to have adverse effects except on particularly sensitive skin. As a general precaution avoid repeated or prolonged contact. Remove skin

contamination when wet with water. Use a proprietary hand if the product has dried.

Eye Contact: Although no serious problems are likely it is advisable to avoid contact. In the event of accidental contact, wash eyes immediately with clean water for 15 minutes and obtain medical attention.

Inhalation: No major hazard; nevertheless use in a well ventilated area. In the unlikely event of discomfort as a result of inhalation move person to fresh air. If discomfort persists seek medical advice.

Oral Ingestion: With proper handling this should not occur. The possibility can be minimised by not consuming food in the working environment and by washing hands thoroughly before eating, drinking or smoking.

Spillage: Spilt material should be mopped up immediately with an inert absorbent material, such as sand, and disposed of in accordance with regulations.

Disposal of Containers: Do not leave containers on site where residue could be a hazard to children, animals or the environment. Replace lids securely and remove any containers to a central disposal point.

Cleaning Of Tools

Clean immediately after use with water. Use paraffin (kerosene) or white spirit if product has dried.

Storage Conditions

Store under cover out of direct sunlight, at a temperature of between 5°C and 40°C.

Storage Life

12 months under good storage conditions in original unopened containers.

Specification Summary

Flashpoint	Non-flammable
Approximate Specific Gravity	1.0
Application Temperature Limits	Not below 5°C

Container Sizes:

Size:	2.5 Litre	5 Litre	25 Litre
Code:	BDB008	BDB009	BDB010

The data presented in this leaflet are in accordance with the present state of our knowledge, but do 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.