



# Damp-Proofing & Waterproofing

## AQUAPRUF

Date: 16 January 2018

Fact Sheet No.: TDS00461

### YOUR SMART ADVANTAGES

- For walls & floors
- Can be applied to damp surfaces
- Brush on

### USES

Bostik Aquaprufe Damp-Proofing & Waterproofing is a flexible, cold applied, odourless, rubber enriched bitumen emulsion for use both internally and externally.

Bostik Aquaprufe Damp-Proofing & Waterproofing provides a highly efficient sandwich damp-proof membrane for floors - Bostik Aquaprufe Damp-Proofing & Waterproofing must be overlaid with a minimum 50mm flooring screed. It also acts as a waterproofing for walls when plastered or plaster boarded over. Bostik Aquaprufe Damp-Proofing & Waterproofing must always be covered as it remains slightly tacky.

### PRODUCT CHARACTERISTICS

Colour	Dark Brown, dries black
Form	A structured liquid
Specific Gravity	1.0 approx.
Composition	Bitumen and rubber latex aqueous dispersion
Product Codes	30812206 2.5 Litre x 6 30812207 5 Litre x 4 30812208 25 Litre
Storage/Shelf Life	Store and transport this container in a secure upright position. Ensure the lid is secure. Store for up to 24 months from date of manufacture in original, unopened packaging under cool, dry conditions within the

temperature range of +5°C to +35°C and out of direct sunlight. Protect from frost.

### TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +35°C
Viscosity	4000-9000 MPas
Drying Time	Approx. 24 hours per coat depending on drying conditions. However product always remains slightly tacky
Coverage	Floors: 1.25m <sup>2</sup> per litre per coat Walls: 2m <sup>2</sup> per litre per coat Depending on application technique and ambient conditions
Solvent for Cleaning Up	Warm soapy water whilst still wet White spirit when dry

### DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Aquaprufe Damp-Proofing & Waterproofing refer to the relevant Health & Safety Data Sheet, available at [www.bostik.com/uk](http://www.bostik.com/uk).

### PREPARATION

1. Bostik Aquaprufe Damp-Proofing & Waterproofing should be applied to slightly damp, not wet surfaces. Do not apply outdoors when raining or if there is risk of rain, frost, fog, or dew before Bostik Aquaprufe Damp-Proofing & Waterproofing has dried.
2. Stir well before use. Before applying, make sure the surface is structurally sound, is clean and free from dust or any contaminants which may hinder adhesion.
3. Remove any organic growth i.e. moss or lichen with Bostik Fungicidal Wash.
4. Uneven surfaces are not suitable for this application

due to the difficulty in coating uneven areas. Dampen as above before applying Bostik Aquaprufe Damp-Proofing & Waterproofing.

#### APPLICATION

5. Where possible we recommend using disposable brushes for the application of Bostik Aquaprufe Damp-Proofing & Waterproofing. Dampening brush may help to apply to difficult surfaces.

#### Damp Proofing Floors:

6. When used on floors, Bostik Aquaprufe Damp-Proofing & Waterproofing must always be applied onto sound concrete slabs and overlaid with a minimum 50mm flooring screed.
7. A minimum of two coats is required. Apply each coat by brush using 0.8 litres per m<sup>2</sup>, continuing the treatment up the walls to join the existing damp proof course. Allow the first to dry, and apply the second at a right angle to the first. When dry, lay a sand/cement or concrete screed of at least 50mm thickness over the Bostik Aquaprufe Damp-Proofing & Waterproofing membrane. Without the 50mm screed the product will not perform as a DMP.

#### Waterproofing Walls:

8. Treat rising damp with the insertion or repair of a damp proof course. Where dampness is due to penetration of the wall it is recommended that the external face of wall is treated as below. If the internal face of the wall requires treating ensure hydrostatic pressure will not occur by constructing a retaining wall.

#### External Walls:

9. Level uneven surfaces including brickwork, with cement mortar. Lightly dampen the surface with clean water. Apply 3 coats of Bostik Aquaprufe Damp-Proofing & Waterproofing with a soft bristled brush, each at a coverage rate of 0.5 litres per m<sup>2</sup> allowing each coat to dry before applying the next. Where possible ensure the Bostik Aquaprufe Damp-Proofing & Waterproofing is keyed to the existing damp proof course.
10. For above ground structures, after the final coat of Bostik Aquaprufe Damp-Proofing & Waterproofing has cured secure an expanded metal lathing before applying the render. If the wall is below ground level, protect the dried Bostik Aquaprufe Damp-Proofing & Waterproofing with fibreboard before back filling with soil.

#### Internal Walls (Moderately Damp):

11. Remove wallpaper, loose emulsion or gloss paint and any dust or grease from the surface. Make good any damaged or perished plaster. Dampen the prepared surface with clean water and apply 3 coats of Bostik Aquaprufe Damp-Proofing & Waterproofing with a soft bristled brush. Apply each coat at a rate of 0.5 litres per m<sup>2</sup> allowing each to dry before applying the next. At the top of the wall leave a horizontal strip (approx. 300mm in depth) uncoated to allow trapped moisture to escape by evaporation.
12. Blind the final coat of Bostik Aquaprufe Damp-Proofing & Waterproofing with clean sharp sand to give a

mechanical key prior to plastering. Do not leave Bostik Aquaprufe Damp-Proofing & Waterproofing exposed, plaster with a lightweight gypsum plaster or affix plasterboard using dabs of plaster. The use of cement containing render materials or renovating plaster is not recommended. Do not screw or fix plasterboard, as this will pierce the Bostik Aquaprufe Damp-Proofing & Waterproofing. Where plastering is not desired Bostik Aquaprufe Damp-Proofing & Waterproofing must be decorated as follows:

13. **Emulsion Paints:** Where Bostik Aquaprufe Damp-Proofing & Waterproofing has been used over plaster, it is recommended that a lining paper is fixed with cellulose paste providing a suitable surface for emulsion paints.
14. **Wallpaper:** Prior to paper hanging, cover the treated surface with lining paper fixed with cellulose paste. It is not recommended that either vinyl coated paper or paper-backed vinyl are used over Bostik Aquaprufe Damp-Proofing & Waterproofing.
15. **Gloss Paints:** Gloss paints and other oil or alkyd based materials must not be used over a surface treated with Bostik Aquaprufe Damp-Proofing & Waterproofing.

#### Interior Wall (Very Damp):

16. Where possible very damp walls should receive external treatment. If this is not possible the following procedure may be of benefit, however only adequate external treatment will cure the most severe conditions. Old plaster must be hacked away to the brickwork and damaged joints or brickwork repaired with cement mortar for an even surface. When the mortar has set, apply 3 coats of Bostik Aquaprufe Damp-Proofing & Waterproofing each at the rate of 0.5 litres per m<sup>2</sup> allowing complete drying between coats. Re-plastering is recommended when the final coat has thoroughly dried as with Interior Walls (moderately damp). In basement constructions or severe damp situations it is recommended that an inner wall is constructed and the space between the Bostik Aquaprufe Damp-Proofing & Waterproofing and the inner skin is backfilled during the construction with a sand/cement mortar. This will effectively create a sandwich DPM.

#### ADHESIVE

17. **Wood Blocks:** To fit new wood blocks of 12mm thickness and above it is recommended that the bottom face of each block is dipped into Bostik Aquaprufe Damp-Proofing & Waterproofing and placed into position immediately. Coverage is approximately 1.1 litres per m<sup>2</sup>.
18. **Wood mosaic flooring and reconditioned woodblocks:** To fix wood mosaic panels or reconditioned wood blocks, spread Bostik Aquaprufe Damp-Proofing & Waterproofing on the surface at 0.8 litres per m<sup>2</sup>. On porous surfaces place the panels into position immediately. On non-porous or low porosity surfaces, allow the Bostik Aquaprufe Damp-Proofing & Waterproofing film to partially dry before fixing the wood mosaic panels. Do not allow the Bostik Aquaprufe Damp-Proofing & Waterproofing to dry completely, a drying time of 30 to 40 minutes will

normally be sufficient. Leave for a minimum of 48 hours before conducting any sanding.

19. Where under floor heating is used keep heating off for at least 48 hours before and 48 hours after initial laying is complete.

NOTE: Under no circumstances lay the above floor coverings over existing floor coverings.

**Keying Treatment:**

20. Where a keyed surface requires plastering, such as glazed tiles, gloss painted walls and bricks or for bonding sand/cement renders, apply two coats of Bostik Aquaprufe Damp-Proofing & Waterproofing 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, dry, sharp sand. Leave to dry for at least 48 hours before plastering with a minimum total thickness of at least 6mm.

NOTE: If gloss or other alkyd based paints are to be used as a decorative finish, use two coats of plaster at a minimum thickness of 15mm over Bostik Aquaprufe Damp-Proofing & Waterproofing.

**Fixing Insulation Board, Expanded Polystyrene And Cork Slabs:**

21. Ensure surfaces are level/flat and free from contaminants. Apply one coat of Bostik Aquaprufe Damp-Proofing & Waterproofing to the porous base at a rate of 0.4 to 0.6 litres per m<sup>2</sup>. Fix the insulation material while the Bostik Aquaprufe Damp-Proofing & Waterproofing is still wet. Where required, support the insulation boards until Bostik Aquaprufe Damp-Proofing & Waterproofing has set.

NOTE: This method is not suitable for non-porous substrates.

**CLEANING**

22. Clean tools and equipment immediately after use with water. Remove dried material with white spirit.

**PRECAUTIONS IN USE**

This product remains slightly tacky, do not leave exposed. Cover with flooring screed or plaster/plasterboard as described above.


For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit [www.bostik.com/uk](http://www.bostik.com/uk) for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik Aquaprufe Damp-Proofing & Waterproofing, available at [www.bostik.com/uk](http://www.bostik.com/uk).

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



This disclaimer is issued by Bostik Limited ("the Company") and applies to the use of any products supplied by the Company ("the Products") displayed on this Technical Data Sheet ("TDS"). Please read this disclaimer carefully before using any of the Products. Using this TDS and/or the Product constitutes your acceptance of this disclaimer. Its contents shall prevail over any directions of use and any disclaimer and/or exclusion or limitation of liability of the Company which may appear on the packaging of the Products.

This disclaimer sets out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to any user of the Products ("Product User") in respect of any use made or resale by the Product User, of any of the Products in this TDS.

This disclaimer does not affect the Company's liability for death or personal injury arising from the Company's negligence in respect of the Products, nor its liability for fraud, or fraudulent misrepresentation, nor any other liability which cannot be excluded or limited under applicable law.

The Company's total liability however arising and whether caused by tort (including negligence and breach of statutory duty), breach of contract or otherwise, arising in connection with the use made or resale by the Product User of any of the Products in this TDS shall be limited to the price paid for the Product by the Product User.

The Company shall not be liable to the Product User for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims (including in respect of personal injury insofar as not caused by the Company's negligence) for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use made or resale by the Product User of any of the Products in this TDS.

The Company shall not be liable to the Product User in relation to any loss for any use which is inappropriate or use which is otherwise than in accordance with the relevant instructions for use of the Products in this TDS or on the Product. Product Users are advised to confirm the suitability of the Products by their own tests.

This TDS covers just one of a large range of products supplied by the Company.

Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products, and users of it must ensure that it is the current issue. Destroy all previous TDS, and if in any doubt, contact the Company, quoting the code number in the top right hand corner on the front of this document.

Sales	Tel: 0844 371 1192	Fax: 01785 241818	<a href="mailto:customer.service@bostik.com">customer.service@bostik.com</a>
Technical Advice	Tel: 0844 371 1197	Fax: 01785 272867	<a href="mailto:technical.service@bostik.com">technical.service@bostik.com</a>
Technical Data & COSHH (MSDS) Data Sheets	Tel: 01785 272625	Fax: 01785 212962	<a href="mailto:stafford.gatehouse@bostik.com">stafford.gatehouse@bostik.com</a>