

# Liquapruf

## Cold Applied Bitumen Damp-Proof Membrane

### Data Sheets

#### IDENTIFICATION

Liquapruf provides a highly efficient cold applied Damp-Proof membrane in sandwich constructions in accordance with BS Code of Practice 8102: 1990 Protection of Buildings against water from the ground Section 3. It can also be used as a waterproofer for floors, walls, and other above ground structures.

#### DESCRIPTION

A rubber/bitumen emulsion, dark brown in colour, it dries to form a black, flexible coating which is odour and taint free. Liquapruf is an environmentally friendly product containing no solvents.

#### PERFORMANCE AND PROPERTIES

Flash Point	Non flammable
Approximate specific gravity	1.0
Approximate Coverage	See application
Application temperature limit	Not below 5°C
Containers	25 litre and 5 litre.
Storage life	12 months under good storage conditions, in sealed containers.
Storage conditions	Store under cover at temperatures of between 5°C and 40°C. Protect from frost.

#### COMPATIBILITY

Liquapruf damp proof membrane is fully compatible with the range of Icopal damp proof courses and membranes.

#### QUALITY ASSURANCE

Liquapruf is manufactured under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.



Certificate No: Q5556

#### INSTALLATION DETAILS

For use as sandwich Damp Proof Membrane.

**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 Liquapruf.

**FOR OTHER USES:** In all cases, the surfaces should be smooth, clean and free from dust, grease, oil or any other contaminant prior to the application of Liquapruf.

**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 Liquapruf diluted with 6 parts clean cold water. Brush well into the surface and allow to dry. Stir well before use.

**DAMP-PROOFING FLOORS:** Apply by brush a minimum of two coats, each at **0.8 litres per m<sup>2</sup>** carrying the treatment up the walls to join the existing wall damp-proof course. 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 Liquapruf.

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

**EXTERIOR WALLS:** Level uneven surfaces, including brickwork, with cement mortar. Apply three coats of Liquapruf with a soft brush, each at a rate of **0.5 litres 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.

#### Icopal Limited

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Manchester  
M32 0YL

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**WORLD LEADER  
IN  
WATERPROOFING**

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#### **INTERIOR WALLS:** (Moderately damp walls).

Remove wallpaper, loose emulsion or gloss paint and any dust or grease. Make good any damage or perished plaster. Lightly dampen the prepared surface with clean water and apply three coats of Liquapruf with a soft bristled brush, each at the rate of **0.5 litres 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 and running the whole length of the wall. This permits trapped moisture to escape by evaporation.

#### **INTERIOR WALLS:** (Very damp walls).

Whenever 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 treatment will cure the most severe conditions. The old plaster must be hacked away to 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 three coats of Liquapruf each at a rate of **0.5 litres per m<sup>2</sup>** allowing complete drying between coats. When the final coat has thoroughly dried the wall should be plastered.

#### **WATERPROOFING STRUCTURES**

Liquapruf 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 Liquapruf each at a rate of **0.5 litres per m<sup>2</sup>**.

#### **TYPICAL SPECIFICATION**

Damp-proof membrane to be Liquapruf, as supplied by Icopal Ltd, Barton Dock Road, Stretford, Manchester, M32 0YL. The damp-proof membrane to be installed in accordance with the relevant clauses of BS 8102 section 3: 1990 Protection of buildings against water from the ground.

#### **NBS SPECIFICATION**

Liquapruf Damp Proof membrane is specified using the following clauses: J30/110, J30/130  
Product: Liquapruf  
Manufacturer: Icopal Ltd. Barton Dock Road, Stretford, Manchester, M32 0YL. Tel: 0161 865 4444  
Fax: 0161 865 8433.

#### **DELIVERY AND STORAGE**

Liquapruf is delivered to site in tubs. Liquapruf should not be stored where it is liable to come into contact with hydrocarbon solvents such as petroleum spirit and diesel oil or other organic solvents. Primer should be stored in a dry, sealed area for inflammable materials.

#### **HEALTH AND SAFETY**

Health and safety data sheets are available for all materials. Please contact Icopal Technical Services Department for further information.

#### **HANDLING**

Please contact Technical Services for more information.

#### **TECHNICAL SERVICES**

Specialist advice and design guidance on all matters relating to Liquapruf including CAD detailing for all damp proofing requirements is freely available from our Technical Department at the address below.

**NOTE:** This information is given in good faith being based on the latest knowledge available to Icopal Limited. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice. Up to date information is available from the Technical Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on any information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.

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