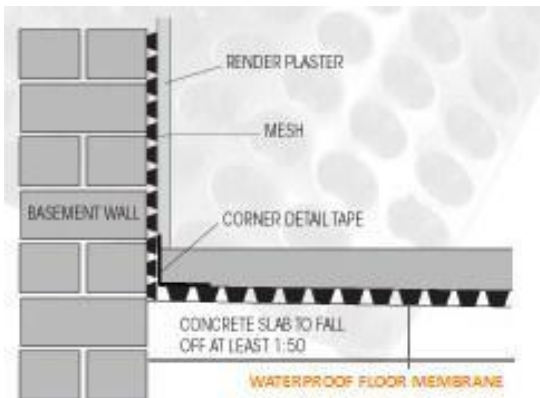


Waterproof Floor Membrane Product Data Sheet



Description

SkilledBuild's Waterproof Floor Membrane is a cavity drainage membrane made of high quality, high density polyethylene (HDPE) and is used to waterproof cellar and basement floors. The Waterproof Floor Membrane provides an air gap (drain cavity) between the membrane and the wall/floor. This allows any free water to run behind it.

The Waterproof Floor Membrane should be used where knowledge of the ground conditions, including the water table, is unclear. Use of this membrane is ideal in situations where the quality and integrity of the existing slab or raft is in question or where it is possible that water may pass through cracks in a poorly constructed floor.

When installing the Waterproof Floor Membrane into a basement, it is essential that it is used in conjunction with a suitable sump and pump facility (unless passive drainage is available on one side of the building) and that it is managed throughout the lifetime of the installation.

If the Waterproof Floor Membrane is used in conjunction with a drainage channel and sump system, it is suitable for use in accordance with **BS8102:2009** to provide 'Type C' drained protection to structures below ground level, providing a Grade 3 or 4 dry environment suitable for domestic or commercial use.

Product Data

Material: HDPE

Stud Height: approx 20mm

Colour: Black

Roll Size: 2mx20m (40m²)

Drainage Volume: 14 ltrs/m²

Weight: approx. 950 g/m²

Load bearing: 180 kN/m²

Chemical properties: resistant to chemicals, rot-resistant, resistant to root penetration, biological resistant properties against bacteria and fungus

Temperature range: -30°C to + 80°C

Flammability rating: B2 (DIN-4102)

Directions for use:

Preparation:

- Clear the floor of oil and loose material. Level out any sharp edges and large depressions (this is particularly important where a timber floor will be installed).
- Remove all timber or organic materials to prevent risk of fungal or bacterial growth behind the system. Any existing moulds or fungi should be treated with an appropriate biocide, such as [Skilled Build's Mould Steriliser and Killer](#).
- Determine the drainage design. Implement this to test it before laying the membrane.
- Where the membrane is to be fixed to flat soffits, ensure there is a free fall to allow proper drainage and prevent ponding.

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Key Benefits

- Damp proofing floor solution for both domestic and commercial projects.
- Little or no damage to existing structure.
- Low and high temperature tolerance.
- Resistant to water, rot, salt, roots and contaminants.
- When used as a floor membrane, insulation, under floor heating, screed (50mm) and floating floors can all be accommodated.
- Internal walls can be built directly off the Waterproof Floor Membrane.

Important Information

SkilledBuild is committed to development and supply of quality products and may substitute or change product branding or specification or technical data without notice. Always check for latest information.

All information provided is based on practical tests & published data and is intended to guide a competent DIY user or contractor in the typical use of products for minor works but is without guarantee. If a failure of the works will be costly to repair or hazardous then design & execution must be undertaken by competent persons. Further advice should be sought from a suitably qualified advisor. Skilled Build may be able to answer simple product enquiries.

Since application and working and user competence is beyond our control, no liability of the supplier can be derived from the contents of information sheets or other general information provided. Any statements made beyond the contents of SkilledBuild's website or product labels must be confirmed in writing by the supplier.

Installing the Membrane:

- The Waterproof Floor Membrane can be rolled out, studs to the floor, and cut to fit the room.
- The flanged edge (strip of membrane running along the edge with no studs) should overlap the previous width of the membrane.
- No mechanical fixings are required.
- Joints should be sealed with [Waterproofing Tape](#).
- Alternatively, [Waterproofing Corner Tape](#) can be applied on the top of the joints to seal.
- At wall/floor junctions the membrane can be cut flush and the gap sealed with [Waterproofing Corner Tape](#).
- Where no wall membrane is being fitted, the floor membrane can be returned up the wall and cut flush with the top of the finished floor.

Services:

- To seal services in walls and floors, cut the Waterproof Floor Membrane around them and seal using [Waterproofing Rope](#) and [Waterproofing Corner Tape](#).

Floor Finishes:

- Ensure that when laying the floor finish directly over the membrane, no fixing used will puncture through the membrane.
- When a timber floor finish is used, allowances must be made for the provision of an expansion gap around the wall edge. This should be in accordance with the floor manufacturer specification and guidance.

Storage:

- SkilledBuild's Waterproof Floor Membrane should be stored in dry conditions, avoiding sharp objects, direct sunlight and high temperatures.

Safety:

- The Waterproof Floor Membrane has no specific hazard specification. However, general precautions should be taken in the use of the associated equipment such as drills, hammers etc. and working in confined spaces.