



VOLSHEET DPM®

HIGH PERFORMANCE DAMP PROOF MEMBRANE

DESCRIPTION

VOLSHEET DPM is a traditional Damp Proof Membrane and a gas impermeable membrane comprising of high quality environmentally friendly recycled polythene which meets the requirements for use as gas protection against radon or on gas contaminated land in accordance with the recommendations published by the Building Research Establishment (BRE) and the national Building Regulations (Methane & CO₂).

APPLICATIONS

Volsheet DPM is a conventional damp-proof membrane to help protect the building against the ingress of moisture from the ground. VOLSHEET DPM also acts as a gas membrane designed to protect buildings and their occupants from the effects of radon, carbon dioxide and other harmful gases.

ADVANTAGES

- Loose-laid system for ease of application
- Can be used on ground-bearing concrete floors or on suspended concrete or beam and block floors
- Building Regulations and Technical Standards require measures to be taken to prevent the build up of harmful gases inside buildings. VOLSHEET DPM offers protection from radon and carbon dioxide

when included in schemes designed and installed with reference to the guidance offered by the above document

INSTALLATION

Preparation

Underslab ground membranes

The hard-core bed should be blinded with soft sand and consolidated to provide a smooth bed, free of sharp projections.

Overslab ground membranes

The top surface of the concrete slab should be free from ridges, undulations and sharp projections. If this is not the case, a sand bed may be necessary to reduce the risk of puncturing the membrane.

Laying

The membrane should be laid neatly and tucked well into angles to prevent bridging. At corners in upstands, folded welts should be formed.

Lapping and jointing

Rolls of VOLSHEET DPM should be lapped by a minimum of 150mm and sealed with a continuous strip of Butyl Tape DS30. Ensure that the membrane is clean and dry at the time of jointing.

Protection

Protect the completed membrane adequately to prevent puncturing using 80g/m² geotextile.



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Alternatively, the overlying construction, such as insulation, can be installed prior to pouring concrete. If used in an overslab situation, unbonded screeds should be at least 50mm thick and laid as soon as possible after completing the membrane to reduce the risk of puncture.

LIMITATIONS

Where possible, services should be routed such that they do not pass through the membrane, thus reducing the number of penetrations. If puncturing is unavoidable, then repairs should take place in a similar fashion described in the durability section.

TECHNICAL DATA

Membrane thickness	300mu
Weight (DIN53104)	315g/m
Roll weight (4m x 25m)	27.6kg
Radon gas transmission rate	0.00
Bursting Strength (DIN53141)	500kPa (min)

STORAGE

Store in original unopened packaging, in cool dry conditions, away from direct sunlight

HEALTH & SAFETY

There are no health & safety implications in the normal use of this product.

NOTES

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee.

Further information is available from our Technical Department.