

RADON 1200 DAMP PROOF MEMBRANE & ACCESSORIES

Glidevale Radon 1200 is a barrier membrane for protection against radon gas and for damp penetration from the ground. Recommended installation of the membrane is between the base concrete and the screed. It can also be used between a blinded hardcore bed and the base concrete.

Gas control measures for dwellings should consist of a gas resistant barrier across the whole building footprint, above an extraction or ventilation layer, from which gases such as radon can be dispersed and vented to the atmosphere.

Ground contaminated with hydrocarbons such as diesel or motor oils may generate harmful emissions. Although hydrocarbons release in small amounts, Glidevale recommends a ventilated sub-floor void in addition to a barrier membrane.

Radon protective measures should be provided in accordance with BR 211 Radon: Guidance on protective measures for new dwellings and BR 376 Radon: Guidance on protective measures for new dwellings in Scotland.

BENEFITS

- Meets requirements for the use as a gas control membrane against radon in accordance with the recommendation published in BRE 211.
- Complies with Building Regulations.
- No additional damp-proof membrane required.
- Tough and durable, excellent tensile strength, puncture and tear resistance.
- Easily installed, easy to cut and light weight.
- Full range of tapes, accessories and underfloor ventilation products available.

Composition, sizes

1200 gauge extruded polyethylene with nominal characteristics of:

Roll length: 25m

Roll width: 4m

Roll weight: 27.6kg

Butyl sealing tape

Double-sided, high-tack butyl tape designed to form a moisture and gas-tight seal at membrane joints and with accessories.

Roll size: 2mm x 50mm x 22.5m

(also available in 12mm and 30mm widths).

Gas joint tape

Used for sealing Radon 1200 membrane overlaps, to be used in conjunction with Butyl sealing tape.

Roll size: 200mm x 50m.

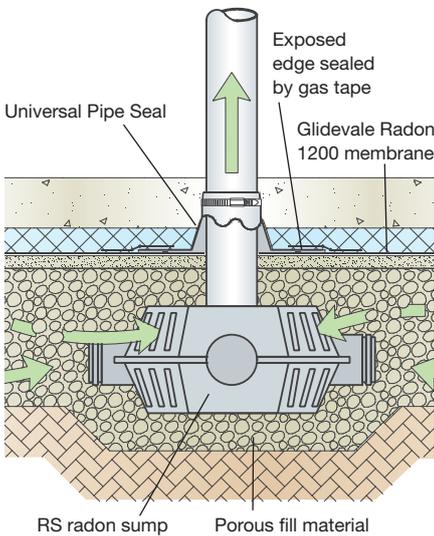
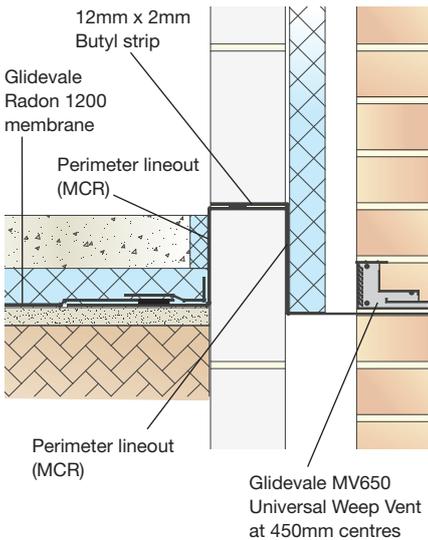
Performance and test methods: Glidevale Radon 1200

MD CD

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|--|---|
| Nail tear strength (N) to BS EN 12310-1 | 235 |
| Tensile strength (N/mm ²) to BS EN 12311-2 | 9.9 |
| Elongation (%) to BS EN 12311-2 | 500 |
| Thickness (micron) | 330 |
| Radon permeability | 7.2 x 10 ⁻¹² m ² /s |
| Basis weight (g/m ²) | 260 |
| Water penetration resistance to BS EN 1928 Method A | Pass Class W1 |

PREFORMED ACCESSORIES

Glidevale offers a comprehensive range of preformed accessories for use with membranes to maintain protection at wall cavities, corners, pipe and service entries etc. The design of components removes the need to form difficult shapes on site, giving a simpler and more reliable installation.



Multi Crease Roll Perimeter Lineout (MCR)

This perimeter lineout fits wall cavities from 50 to 100mm wide and 150mm deep suspended floors. A sparked finish surface promotes mortar adhesion and prevents the creation of slip planes in masonry.

Dimensions: 100mm (lower bed) x 225mm (height) x 100mm (upper bed)
Length: 25m or 50m roll
Other sizes available to special order.

Universal Corner (RS22)

Two part preformed unit which is reversible for external or internal corners. Suitable for slab thicknesses over 100mm, adjustable for thickness required.

The membrane is laid into the corner horizontally and bonded to the surface with self-adhesive gas barrier tape.

Dimensions: upper bed width 100mm, lower bed width 100mm
Angle: 90°

Universal Pipe Seal (RPS1)

Two-part unit seals around service pipes penetrating the membrane.

Three pipe seal sizes available, suitable for pipe diameters:
RPS1/110: 100 to 120mm
RPS1/130: 130 to 140mm
RPS1/160: 150 to 160mm

RS radon sump

Installed within fill material in underfloor voids to collect radon gas and vent it by convection through a vertical pipe.

Each sump has the capability of venting 150m².

For more information, contact Glidevale's Technical Team on 0161 905 5700 or at technical@glidevale.com

Specification clauses

Glidevale Radon 1200 membrane provides combined radon gas and damp protection to ground floors.

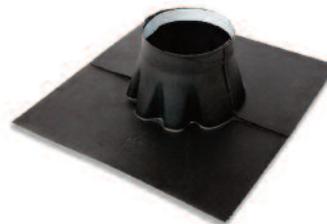
Lay membrane between the base concrete and the screed or between a blinded hardcore bed and the base concrete.

At joints, overlap Glidevale Radon 1200 by 150mm and use Butyl sealing tape between the laps.

Reveal joint tape is used to seal the edge of the overlap.

Sleeve service pipe penetrations using Glidevale RPS1 pipe seals, lapped and sealed to the membrane.

Glidevale Radon Sump to be installed within porous underfloor infill material, capable of venting 150m². Install with vertical pipe venting in accordance with the manufacturer's recommendations.



Stockist's stamp

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Glidevale maintains a policy of continuous development and reserves the right to amend product specifications without notice.



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