

# NOVIA®



## 1200 Gauge / 300 Micron Radon Gas DPM

### Description

This product is an approved blown polythene material, suitable for use as a loose-laid Radon Barrier Damp Proof Membrane for solid concrete ground floors that are not subject to hydrostatic pressure. It is important to ensure that installation is carried out in accordance with Clause 11 of CP 102: 1973, and the relevant clauses of BS 8000-4: 1989. The material meets the requirements for use as a gas control membrane against Radon gas in accordance with the recommendations published by the Building Research Establishment (BRE) and the national Building Regulations. This product is CE Approved to EN 13967:2012.

We also advise the use of Nova compatible butyl and foil sealing tapes to ensure a complete gas seal is maintained throughout the entire life of the product. It is very important that the product is not damaged during installation, and that all breaks or damage to the membrane, intentional or otherwise, are fully sealed.

Other sizes and thickness are also available to order.

### Product Properties

Length	25m
Width	4m, c-folded
Area per roll	100m <sup>2</sup>
Material	Co-Polymer Polythene
Radon Permeability	6 +/- 15% ( $10^{-12}$ m <sup>2</sup> /s)
Radon Transmittance	5 +/- 15% ( $10^{-9}$ m/s <sup>-1</sup> )
Roll weight	27.6 kg
Colour	Opaque green
Material Thickness	1200 Gauge / 300 Micron (nominal)/0.3mm
CE Approved	To EN 13967:2012

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# Installation Instructions

To correctly install the radon barrier at all joints, ensure the surface is dry and dust free before unrolling the first membrane (see figure 1). Once the membrane is flat, apply the double-sided butyl tape (50mm width) approximately 50mm from the edge (see figure 2), and temporarily leave the backing paper on. Prepare the second radon barrier by once again ensuring the surface underneath is dry and dust free. Then lay the second membrane with a 150mm overlap on to the first membrane, and join them together by unpeeling the backing paper of the double sided butyl tape (see figure 3) and pressing them firmly together, ideally with a hand roller. Where the two membranes overlap, the excess needs to be stuck firmly in place using the 75mm single sided lap tape. Apply this tape equidistant over the two membranes and apply firm pressure to complete the seal (see figure 4 for a side on view of all tapes and membranes).

All other edges and entry points, such as top hats, must be sealed in the same manner. Ensuring all joints are sealed correctly and tightly will maintain the effectiveness of the membrane. Once installation is complete, the radon barrier should be protected as soon as possible. There is a minimum thickness of 50mm screed recommended.

Figure 1



Figure 2



Figure 3

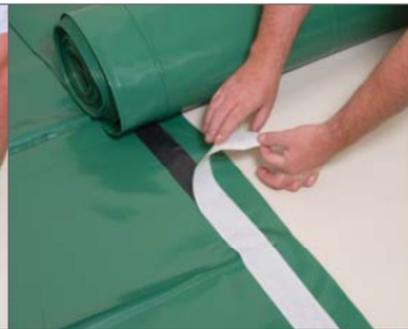
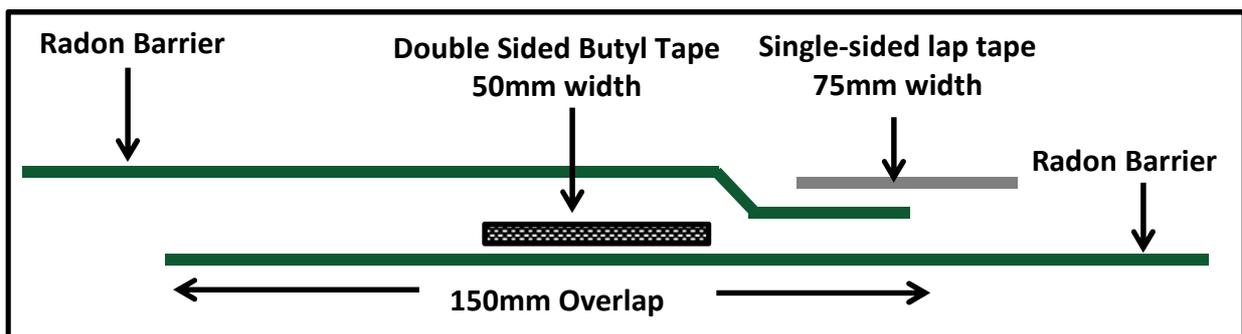


Figure 4



**There is no maintenance required on this product once it is covered by the concrete.**

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