


1-3 Days Delivery

• Low Trade Prices

• Free Technical Advice

**Permagard®**

  
Account

  
Basket

  
Search

  
Menu

Menu

[Damp Proofing](#)

[Basement Waterproofing](#)

[Anti-Mould](#)

[Condensation Control](#)

[Structural Repair](#)

[Timber Treatments](#)

[Epoxy Flooring](#)

[Green Roof](#)

[More...](#)

Home > **Radbar Amber 1 Gas Barrier Membrane 4m x 12.5m**





## Radbar Amber 1 Gas Barrier Membrane 4m x 12.5m

[Be the first to review this product](#)

Prevent the ingress of naturally-occurring gases like radon, methane and CO2 with this Radbar Amber Gas Membrane. Designed to provide protection for concrete floors, both above and below the slab.

[Read More](#) 

**£103.80** Ex VAT

**£124.56** Inc VAT

Qty -  +

[Add to Basket](#)

### Description

## Amber 1 Radon Membrane

Radbar Amber 1 Radon Membrane is designed to stop the ingress of radon, methane and CO2 into properties, protecting the inhabitants from harmful ground gases and moisture. It is designed to be used in the construction of buildings.

The Amber 1 gas barrier floor membrane prevents the ingress of underground gases from naturally-occurring sources such as radon for the duration of the building life. The Amber 1 membrane is also impervious to water, providing a waterproof layer to stop moisture from the ground causing damage. As low-density polyethylene (LDPE) gas barriers, they are suitable only when no hydrostatic water pressure is being exerted.

### Uses of Amber Gas Membrane

Radbar Amber 1 Gas Membrane is suitable for the following applications:

- Gas-resistant barrier to restrict the ingress of radon and other ground gases into buildings from naturally-occurring sources.

- A damp proof membrane that protects the building against water ingress from the ground.

The Amber 1 membrane should be considered if there is a potential risk of radon in the area.

## Installing an Amber Radon Membrane

The Amber 1 radon membrane is designed for ease of installation. It can be installed by a competent general builder or a contractor that is experienced with gas membranes.

### Preparation

Ensure that the surface has a smooth finish with no projections or voids - this applies to both concrete slabs and brick and block work. The surface should also be free from dust and debris and dry.

### Installation

Roll out the radon membrane, making sure it is aligned with the surface. Where overlaps are required, ensure that they overlap by a minimum of 150mm. Where the membranes overlap make sure they are dirt, dust and moisture-free. These joints can then be bonded together with [Radbar Double-sided Jointing Tape](#) and sealed with [Radbar Single-sided Tape](#).

The membrane should be covered by a screed or other protective layer as soon as possible after installation. If blockwork protection is used, care must be taken to avoid damage to the membrane during construction.

If going around any pipework, you can use Radbar Top Hats and correctly sealed.

If you wish to install underfloor heating, this will not impact the membrane.

Read our [guide to installing gas membranes](#).

Important note: Don't install the membrane in temperatures below 5°C. Avoid long term exposure to ultraviolet light. And remember the continuity of the gas protection must extend over the entire footprint of the building, and the gas membrane must be sealed to a gas-resistant damp-proof course.

## The Radbar Radon System

The Radbar System is a high quality radon system protecting properties from ground gases. It consists of a membrane like the Amber 1 that extends the whole of the floor and walls. The system should also incorporate an [underfloor ventilated radon sump or sumps](#), which can be subsequently converted to an active system by use of suitable ventilation fans.

### Related gas membrane products:

- [Radbar Double-sided Jointing Tape](#) — for joints and lap
- [Radbar Single-sided Overlap Tape](#).
- Radbar Top Hat Unit — to seal service entry points to the membrane
- Radbar gas sump — underfloor ventilated sump
- Radbar pre-formed corner details and cloaks — prefabricated details

**Permagard - Providing Solutions. Inspiring Confidence**

If you have any questions about gas membranes and how to install Radon membranes contact our experts. We provide free technical advice on 0117 982 3282.

## Features

- BBA-approved gas-resistant membrane
- Compliant with NHBC recommendations & CIRIA C665.
- Suitable for use as a radon gas barrier and a damp proof membrane.
- Independently tested for radon gas resistance - the membrane is capable of restricting the ingress of radon gas into a property
- Manufactured from high quality polymers
- Robust and has a high resistance to puncture. Over a smooth or blinded surface will not be damaged by foot or site traffic
- Resistance to water and water vapour — the membrane provides an effective barrier to the passage of liquid water and water vapour from the ground
- Resistance to underground gases —
- Durable gas membrane that will remain effective against the ingress of water and water vapour, and restrict the ingress of radon during the lifetime of the flooring construction in which it is installed

Specification



Reviews



Downloads



## Related Products



Radbar Single Sided Tape  
Grey (Radon) 75mm x 50m

**£24.00** Ex VAT



Radbar Double-Sided Tape  
50mm x 10m

**£9.95** Ex VAT

£28.8

Add to Basket

1

+

£11.9

Add to Basket

1

+

### Other Products You May Be Interested In



Radbar Top Hat 110mm and 160mm

£15.25 Ex VAT  
£18.30 Inc VAT

- 1 +

Add to Basket



Radbar Radon DPC 20m

£8.20 Ex VAT  
£9.84 Inc VAT

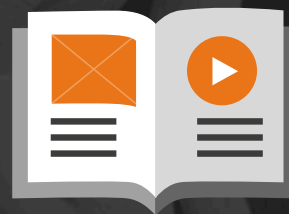
- 1 +

Add to Basket

## Videos, Articles and Projects

Whether you're a seasoned Pro or a DIY enthusiast, let us help you with our handy tips, help and advice.

Get Started



HOW-TO GUIDES



**1-3 Days  
Delivery**

**Low Trade  
Prices**

**Phone  
Orders  
Welcome**

**Unrivalled  
Service**

**Unrivalled  
Service**

**Sign-up** for our monthly email for the latest news, products & guides direct to your inbox

I'm a professional  I'm a DIY'er

Your Email Address

SIGN UP

[Privacy Policy](#)

**sales@permagard.co.uk**



Ordering with us

[Shipping and Returns](#)  
[Trade Counter](#)

About us

[About Us](#)  
[Contact Us](#)  
[Cookie Policy](#)  
[Environment](#)  
[Privacy Policy](#)  
[Terms & Conditions](#)

**Back to top**

Permagard Products Limited, Chittening Industrial Estate, Avonmouth, Bristol BS11 0YB, VAT No: 520 2136 08 © 2024

Permagard Products Ltd.

Ecommerce software development by newicon.net