

## Gas Barrier System

Bluebay Gas Barrier offers total protection from methane and carbon dioxide when designed and installed in accordance with BRE Report Part 212 (Methane) & Part 414 (Housing on contaminated sites).

Bluebay Gas Barrier is also a fully effective damp proof membrane.

Bluebay Gas Barrier is a four layer, reinforced, totally gas impermeable membrane comprising an aluminium foil layer and a polyester reinforcing grid sandwiched between two layers of polythene film.



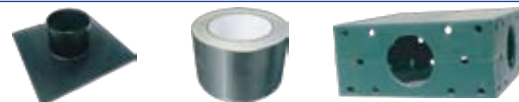
### Advantages

- 4 Layer product designed for maximum gas protection
- Polyester reinforcing grid for puncture resistance during installation
- Loose laid system for ease of application
- Can be used on ground bearing floors or on suspended concrete or beam & block floors.

### Technical Data

Product	Size
Roll Width	2.0m
Roll Length	25 / 50m
Roll Weight	18.5 / 37kg

## Gas Barrier Accessories



Product	Description	Sizes	Application	Supply
Foil Backed Jointing Tape	Single sided tape for securing laps & joins	75mm	Securing Laps & Joins	50m Rolls
Double sided Bitumen Tape	Bitumen Adhesive Tape	Various	Butyl based double sided tape for joins and laps	Rolls
Top Hats	Polymeric	Various	For sealing around penetrations through gas membrane	Each
Gas Resistant DPC	A flexible polyethylene DPC with an aluminium foil	All widths	To prevent the transmission of Radon & Methane gases	20m Rolls
Radon Sump Units	Part of the Bluebay Radon Protection System	430 x 430 x 220mm	Radon Sumps are for use in full protection areas, where sub floor depressurisation may be required.	Each

## Self Adhesive Gas Membrane

Bluebay Self Adhesive Gas Membrane is designed to prevent the transmission of carbon dioxide, radon and methane gases in tanking applications or where hydrostatic pressure is present. This is in addition to the products usage as a damp proof membrane.

The product is a tough, durable, selfadhesive sheet with an overall thickness of 1.5 mm. Resistance to gas is achieved by an integral aluminium film. Bluebay Self Adhesive Membrane should be used along with the Bluebay Primer Solution, providing the optimum surface to receive the Self Adhesive Membrane.



Product	Description	Sizes	Application	Supply
Bluebay Gas Membrane	Self Adhesive Membrane	1mm x 1.05mm x 28.6m	SA membrane which protects against Methane & Radon gases	30m <sup>2</sup> Rolls
Dbl sided Bitumen Tape	Bitumen Adhesive Tape	75, 100, 150 & 300mm	Protection board adhesive	15m Rolls
Bluebay XL Tape	Reinforcing Tape	100, 150 & 300mm wide	overband tape for DPM & Membrane	20m Rolls
Bluebay Primer	Liquid Primer (black)	5 & 25 Ltr	To prime surfaces before installing membranes	5 & 25Ltr
Bluebay Protection Boards	Polymeric Protection Boards	3mm thick	For heavy duty use	2m x 1m
	Bitumen Protection Board	3mm thick	For heavy duty use	2.13m x 1.22m

## Bluebay Radon Barrier

Bluebay Radon Membrane is an unreinforced polyethylene membrane, suitable for use in the protection of buildings from the ingress of Radon gas.

Bluebay Radon Membrane will act as an effective passive radon membrane in most typical applications when installed in accordance with our instructions and will also act as a Damp Proof Membrane.



### Advantages

- Prevents the ingress of Radon gas
- High resistance to puncturing & tearing

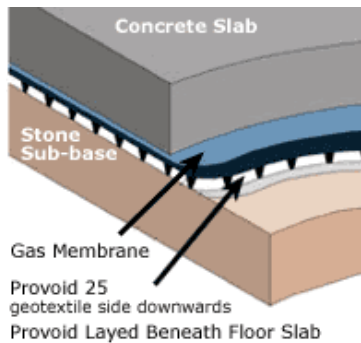
### Technical Data

Product	Size
Roll Width	4.0m
Roll Length	25.0m
Roll Weight	27.6kg

## Bluebay Gas Venting System

Gas Venting System is a single cusped geocomposite comprising of a pre-formed HDPE core with a bonded non-woven needle punched geo-textile filter fabric, specifically designed as a primary venting layer.

The venting system should be used on any site where a sub-slab gas venting system is required in a building development. As the primary part of any gas venting system, it needs to be connected to the required amount of air inlets and outlets. The gas system is sufficiently able to vent harmful gases from the underside of a building, when used in conjunction with an appropriate gas resistant membrane.



### Technical Data

Product	Size
Roll Width	1.0m
Roll Length	50.0m
Thickness	12 / 25mm

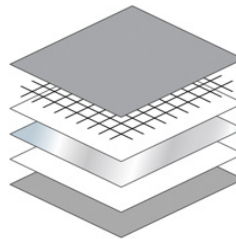
A full range of Gas Venting System Components are available on request.



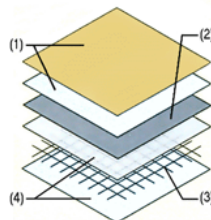
### Monarflex RAC

RAC gas-resistant membrane is a 900 µm thick, ten layer, polyethylene membrane incorporating encapsulated aluminium foil and a reinforcing grid.

The membrane is grey, with a smooth finish. Both gas barriers have methane transmission rates below the limit of detection.



- (1) Extruded Low Density Polyethylene
- (2) Aluminium Foil
- (3) Polyester Grid
- (4) Blown Low Density Polyethylene



### Monarflex Reflex Super

Reflex Super is a 400 µm thick, seven layer, polyethylene membrane incorporating encapsulated aluminium foil and a reinforcing grid.

The membrane is sand coloured on the top and silver on the underside with a ribbed finish. Monarflex Reflex Super has methane transmission rates below the limit of detection.

### Monarflex Ultra DPM

Monarflex Ultra is a high performance damp proof membrane, it has been specifically designed to withstand the rigours of a busy building site.

Ultra D.P.M. is very resistant to tearing and puncture, it is constructed from two layers of virgin polyethylene reinforced by a grid of high density polyethylene.

Ultra D.P.M. can be specified with confidence: when properly installed it will provide an effective, maintenance free damp proof membrane.

### Technical Data

Product	Size
Monarflex RAC	2m x 25m Roll

### Applications

- Most robust gas barrier available.
- Provides protection from carbon dioxide, methane & other volatile organic compounds
- Aluminium foil separated from reinforcing

### Technical Data

Product	Size
Reflex Super	2m x 25m Roll

### Applications

- Robust weldable gas retardant membrane for protection from methane, carbon dioxide or high concentrations of radon.
- Aluminium foil separated from reinforcing.
- Tested by the BBA and awarded certificate 00/3668

### Technical Data

DPM	250	300
Nominal Thickness	250µm	300µm
Roll Length	25m	25m
Roll Width	4m	4m