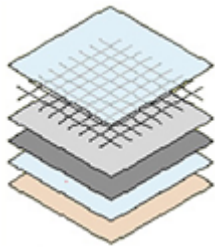


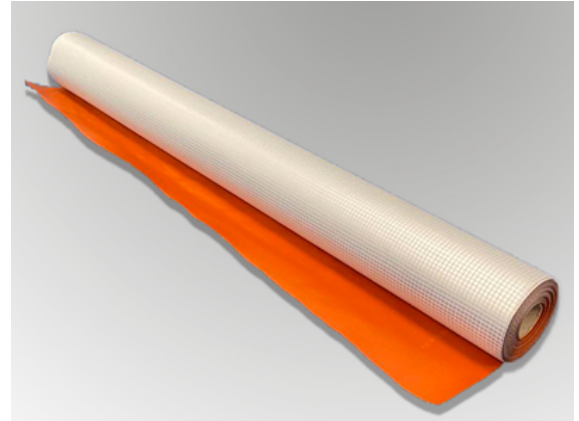
## Technical Data Sheet – PAG Standard Gas Barrier

(Rev. Jan 2021)

Methane, Carbon Dioxide and Radon – a high performance Gas Barrier, suitable for some under slab applications.



<b>Top layer</b>	LDPE with stabilizers, Red
<b>Coater Layer</b>	LDPE with stabilizers
<b>Aluminium</b>	12 micron Aluminium layer
<b>Coater Layer</b>	LDPE with stabilizers
<b>Reinforcement</b>	PP, 10 x 10 grid
<b>Bottom Side</b>	LDPE with stabilizers, Silver



- Exceptional flexibility and puncture resistance
- Comprehensively tested with independent validated test results
- Outstanding welding characteristics – efficient installation

### Description:

**PAG Standard** is manufactured from four layers of virgin low-density polyethylene (LDPE) with 10mm x 10mm split film polypropylene reinforcing grid in between to give high strength and tear resistance. The membrane incorporates a 12 µm aluminium foil for extremely low permeability to gases. It also acts as a high performance DPM. The top surface is red in colour and the bottom is silver.

Developed in the early 2000's PAG Standard has been an acknowledged market leader in high performance quality specific membranes. Improved in 2019 to exceed the recommended gauge guidance in BS8485:2015+A1:2019. It is a multi-foil membrane with a reinforcing scrim and aluminium layer. PAG Standard is easily joined by all thermal welding machines.

### Applications:

**PAG Standard** is suitable for the following applications:

- Carbon dioxide and methane affected sites in accordance with BS8485:2015+A1:2019 & NHBC
- Radon affected sites in accordance with BRE211:2015
- Damp protection in accordance with Building Regulations Part C.

### Approvals & Standards:

- BS8485:2015+A1:2019 – Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings. Passed the stringent methane 40ml/m<sup>3</sup>/day/atm (ISO15105-1 to BS8485:2015+A1:2019 requirement) threshold and physical property requirements.
- CE Mark EN13967 – Moisture Barrier Type A. Flexible sheets for waterproofing. Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet.



Moisture Barrier Type A – EN 13967

## Technical Data:

PROPERTIES	MD/CD	UNIT	VALUE	STANDARD
Basis Weight		g/m <sup>2</sup>	410	EN 1849 - 2
Tensile strength	MD	N/50mm	650	EN 12311-1
	CD	N/50mm	550	EN 12311-1
Elongation	MD	%	30	EN 12311-1
	CD	%	30	EN 12311 - 1
Nail Tear Resistance	MD	N	320	EN 12310 - 1
	CD	N	380	EN 12310 – 1
Puncture Resistance	kN		1.25	EN 12236
Water Column		Cm	>420	EN20811
Resistance to water Penetration	Class		W1	EN 13859 - 1, EN 1928 Method A
Water Tightness			Pass	EN 1296, EN1367, EN 1928
Fire Resistance	Class		E	CSN EN 13501 -1
<b>Permeability</b>				
Methane		ml/m <sup>2</sup> /day/atm	< 0.09	ISO 15105 - 1
Carbon Dioxide		ml/m <sup>2</sup> /day/atm	< 0.09	ISO 15105 - 1
Radon		M <sup>2</sup> /s	8.0 x 10 <sup>-15</sup>	K124/02/95
Roll size	Width	m	2	EN 1848 - 2
	Length	m	25	EN 1848 - 2

## System Components:

- PAG SAGR - Self Adhesive Gas Resistant Membrane
- PAG Cross Linked Butyl Sealant
- PAG Primer

(Please note that the membrane can be welded as a preferred alternative to using tape)

## NBS Specification:

**PAG Standard** is specified using the following:

Clause: J40/145

Product: PAG Standard Gas Barrier

Supplier: PAGeotechnical Ltd, Darwin House, Corby Gate Business Park, Corby, NN17 5JG.

## Roll Sizing & Weight:

2m x 25m (50m<sup>2</sup>)

22 kg - hence appropriate care and equipment is required for unloading and handling.

## Storage and Handling:

Classified as non-hazardous when used in accordance with the relevant British Standards. The product is chemically inert and is not affected by acids and alkalis that may be present in the sub-soils.

Rolls are wrapped individually in shrink-wrap polythene. Each roll bears a product description label. Rolls should be stored on their side, under cover and on a flat, level surface, and protected from mechanical damage and heat sources. During storage exposure to direct sunlight is to be avoided.



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