

## Technical Data Sheet – PAG 6 Fully wrapped

(Rev. Mar 2023)

Consists of a cusped HDPE (High Density Polyethylene) core former, thermally bonded to a geotextile filter.

It is a geocomposite venting layer suitable for use in all ground gas applications.

**Vacuum formed HDPE core  
Bonded to  
Geotextile fabric**



- Proven performance in sub slab venting applications
- Available single textile or full wrapped
- Supplied in rolls for efficient installation

### Description:

**PAG 6** is manufactured from a single layer of vacuum formed high density polyethylene (HDPE) bonded to a layer of geotextile fabric. It acts as a high performance venting layer beneath building slabs for the efficient dilution and dispersion of ground gases. Developed in the early 1980's as a drainage composite, PAG 6 has been used for over 25 years as a means of venting beneath buildings.

### Applications:

**PAG 6** is suitable for all sites where the Risk Assessment defines as appropriate sub slab ventilation.

### 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.
- CE Mark EN 13252:2016 – Geocomposite for drainage applications.



### System Components:

- All PAG venting components
- All PAG gas barriers
- PAG SAGR - Self Adhesive Gas Resistant Membrane
- PAG Cross Linked Butyl Sealant
- PAG Primer

## Technical Data: PAG 6 Fully Wrapped

PROPERTIES	MD/CD	UNIT	VALUE	STANDARD
<b>Composite</b>				
In Plane gas flow			@ 7mm	
At 100kPa		l/m.s	2.4	
At 250kPa		l/m.s	2.1	
			@ 3mm	
At 100kPa		l/m.s	0.8	
At 250kPa		l/m.s	0.6	
<b>With soft foam contact surfaces to simulate textile intrusion into the core due to soil pressure</b>				
Ventilation free path		(mm <sup>2</sup> /m)	2200	(indicative)
Air Volume		(l/m <sup>2</sup> )	3.3	(indicative)
Equivalent Void Depth		(mm)	3.3	(indicative)
Thickness at 2kPa		mm	7	EN ISO 9863-1
Mass per unit area		g/m <sup>2</sup>	790	EN ISO 9864
Tensile strength	MD	kN/m	24	EN ISO 10319
	CD	kN/m	15	EN ISO 10319
Elongation at Peak	MD	%	50	EN ISO 10319
	CD	%	40	EN ISO 10319
Static puncture resistance CBR		N	3750	EN ISO 12236
Resistance to weathering	<b>To be covered in 14 days</b>			
Design Life		Years	120	Manufacturers declaration
<b>Geotextile</b>				
Thickness at 2kPa		mm	1.2	EN ISO 9863-1
Tensile strength	MD	kN/m	9.5	EN ISO 10319
	CD	kN/m	9.5	EN ISO 10319
Elongation at Peak	MD	%	45	EN ISO 10319
	CD	%	45	EN ISO 10319
Pore size O90		µm	115	EN ISO 12956
Water flow at 50mm	+ 30%	l/m <sup>2</sup> .s	95	EN ISO 11058
Static puncture resistance CBR		N	1600	EN ISO 12236
Dynamic perf cone drop		Mm	32	EN ISO 13433
Roll size	Width	m	1.1	
	Length	m	50	

### NBS Specification:

**PAG 6 Ventlayer** is specified using the following:

Clause: J40/295

Product: PAG 6 Ventlayer

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

### Roll Sizing & Weight:

1.1m x 50m

Roll weight – Fully wrapped 44 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 polythene. Each roll bears a product description label. Rolls should be stored 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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