Engineered
Solutions for
Contaminated Land

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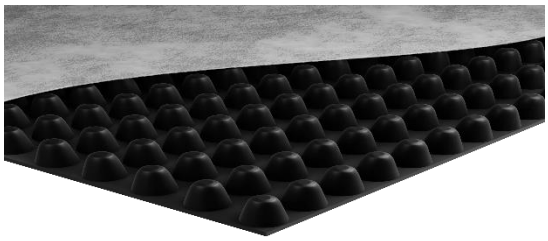
Technical Data Sheet – PAG 25 Single and Fully wrapped

(Rev. 2026)

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 25 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 25 has been used for over 25 years as a means of venting beneath buildings. PAG 25 is supplied rolled and must be turned over and installed white textile side down to act as a ground gas ventilation blanket. (See above image).

Applications:

PAG 25 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.

CE

System Components:

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

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PROPERTIES	MD/CD	UNIT	VALUE	STANDARD
Composite				
In Plane gas flow At 20kPa		l/m.sec	9.0	ASTM D4716
With soft foam contact surfaces to simulate textile intrusion into the core due to soil pressure				
Ventilation free path		mm^2/m	11500	Indicative
Air volume		l/m^2	18.9	Indicative
Equivalent Void Depth		mm	18.9	Indicative
Thickness at 2kPa		mm ±10%	26.2 SW 27.4 FW	EN ISO 9863-1
Mass per unit area		g/m^2	1670 SW 1790 FW	EN ISO 9864
Tensile strength	MD/CMD	kN/m	9.5 / 9.5 SW	EN ISO 10319
	MD/CMD	kN/m	19 / 19 FW	EN ISO 10319
Elongation at peak	MD/CMD	%	40 / 50	EN ISO 10319
Static puncture resistance CBR		N	3000 -20% SW 4200 –20% FW	EN ISO 12236
Resistance to weathering	To be covered within 28 days			
Resistance to chemicals	Excellent			EN 14030
Design life	120 Years			Manufacturers declaration
Geotextile				
Thickness at 2kPa		mm	1.2 ±20%	EN ISO 9863-1
Tensile strength	MD/CMD	kN/m	9.5 -13%	EN ISO 10319
Pore size O_{90}		µm	120 ± 30%	EN ISO 12956
Water flow to 50mm head		$l/m^2.s$	115 ± 30 %	EN ISO 11058
Static puncture resistance CBR		N	1600 –20%	EN ISO 12236
Dynamic perf cone drop		mm	32 + 20%	EN ISO 13433
Roll size	Width	m	0.915	
	Length	m	50	

NBS Specification:

PAG 25 Ventlayer is specified using the following:
Clause: J40/295
Product: PAG 25 Ventlayer
Supplier: PAGeo Ltd, Darwin House, Corby Gate Business Park, Corby, NN17 5JG.

Roll Sizing & Weight:

0.915m x 50m (45.75m²)
Roll weight – Single Wrap 80kg, Fully wrapped 87 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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