



GP⁴

GP⁴ gas barrier is a multi-layer, low density polyethylene membrane, reinforced with a polypropylene reinforcing grid. GP⁴ is specifically designed and manufactured to perform as a radon, air & moisture protection system, as well as low level protection to carbon dioxide and methane.

Thickness	0.6 mm
Width	Various m
Length	Various m
Weight	400 g/m ²

TITANTECH[®]

For developers of brownfield and contaminated sites the TITANTECH[®] family of products represent a major step forward in safeguarding projects against gaseous and chemical contamination.

Handling

Roll weights can be in excess of 20kg and hence appropriate care and equipment is required for unloading and handling.

Storage

Rolls of GP⁴ should be stored on stable/level ground and stacked not more than five rolls high, with no other material stacked on top. The rolls can be stored outdoors when packaged, but should be protected from exposure to UV.

Installation

GP⁴ should be installed in accordance with the product installation guidelines, and in accordance with best practice.





Feature	Characteristics	Test Method	GP [®] 4
Physical Properties	Thickness	EN 1849-2	0.6 mm
	Width	EN 1849-2	Various m
	Length	EN 1849-2	Various m
	Weight	EN 1849-2	400 g/m ²
Hydraulic Press	Water Column	EN 20811	Pass
	Water Vapour Transmission - Moisture Resistance Factor	EN 1931	130 m
	Water Tightness	EN 1928 (A)	Pass
Mechanical Properties	Resistance to Static Load	EN 12730-B	20 kg
	Tensile Strength (MD)	EN 12311-1	600 N/50mm
	Tensile Strength (CMD)	EN 12311-1	570 N/50mm
	Tensile Elongation (MD)	EN 12310-1	15%
	Tensile Elongation (CMD)	EN 12310-1	15%
	Puncture Resistance	EN 12236	1.25 kN
	Resistance to Tearing (Nail Shank) MD	EN 12310-1	500 N
	Resistance to Tearing (Nail Shank) CMD	EN 12310-1	500 N
Gas Permeability	Radon diffusion co-efficient (D)	K124/02/95	1.7 x 10 ⁻¹¹ m ² /s
	Radon Permeability	K124/02/95	6.8 x 10 ⁻¹² m ² /s
Compliance and Certification	CE Mark - EN13967:2012		
	NHBC Standards Compliant		
	BBA Certified - Certificate No. 20/5728		

JUTA UK

Please contact JUTA UK Directly for more information on GP[®]4

Jointing and Sealing

GP[®]4 can be heat welded or taped, with jointing carried out by competent personnel with suitable qualifications in accordance with best practice.

GP[®]4 should be overlapped by at least 100mm. If taping joints, only suitable tape must be used, ensuring application with a silicone roller to remove trapped air. JUTA pre-formed details, or self adhesive gas membrane are available for sealing around protuberances.

Accessory Products

- GP[®] DPC
- GP[®] Tape
- GP[®] Self Adhesive Membrane (SAM)
- GP[®] Primer
- GP[®] Top Hats and Preformed Corners
- GP[®] Protection Fleece
- GP[®] Void Vent (24/40mm)