



GP²

GP² gas barrier is a multi-layer, low density polyethylene membrane, reinforced with a polypropylene reinforcing grid. GP² 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	0.5 mm
Width	Various m
Length	Various m
Weight	275 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 GP² 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

GP² should be installed in accordance with the product installation guidelines, and in accordance with best practice.

Certifications



Please Scan



Rev 2024



Feature	Characteristics	Test Method	GP ²
Physical Properties	Thickness	EN 1849-2	0.5 mm
	Width	EN 1849-2	Various m
	Length	EN 1849-2	Various m
	Weight	EN 1849-2	275 g/m ²
Hydraulic Press	Water Column	EN 20811	Pass
	Resistance to Water Penetration	EN 13967, EN 1928	Pass
	Water Tightness	EN 11296, EN 1367, EN 1928	Pass
Mechanical Properties	Resistance to Static Load	EN 12730-B	20 kg
	Tensile Strength (MD)	EN 12311-1	500 N/50mm
	Tensile Strength (CMD)	EN 12311-1	470 N/50mm
	Tensile Elongation (MD)	EN 12310-1	15%
	Tensile Elongation (CMD)	EN 12310-1	20%
	Puncture Resistance	EN 12236	1.04 kN
	Resistance to Tearing (Nail Shank) MD	EN 12310-1	400 N
	Resistance to Tearing (Nail Shank) CMD	EN 12310-1	350 N
Gas Permeability	Methane Permeability	BS EN ISO 15105-1	< 514 ml/m ² /day/atm
	Carbon Dioxide Permeability	BS EN ISO 15105-1	< 514 ml/m ² /day/atm
	Radon Permeability	K124/02/95	4.3 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 GP²

Jointing and Sealing

GP² can be heat welded or taped, with jointing carried out by competent personnel with suitable qualifications in accordance with best practice.

GP² 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

- GP² DPC
- GP² Tape
- GP² Self Adhesive Membrane (SAM)
- GP² Primer
- GP² Top Hats and Preformed Corners
- GP² Protection Fleece
- GP² Void Vent (24/40mm)