



**GP<sup>2</sup>**

GP<sup>2</sup> gas barrier is a multi-layer, low density polyethylene membrane, reinforced with a polypropylene reinforcing grid. GP<sup>2</sup> 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.

<b>Thickness</b>	0.5 mm
<b>Width</b>	Various m
<b>Length</b>	Various m
<b>Weight</b>	275 g/m <sup>2</sup>

**TITANTECH<sup>®</sup>**

For developers of brownfield and contaminated sites the TITANTECH<sup>®</sup> 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 GP<sup>2</sup> 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**

GP<sup>2</sup> should be installed in accordance with the product installation guidelines, and in accordance with best practice.





Feature	Characteristics	Test Method	GP <sup>2</sup>
<b>Physical Properties</b>	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 <sup>2</sup>
<b>Hydraulic Press</b>	Water Column	EN 20811	Pass
	Resistance to Water Penetration	EN 13967, EN 1928	Pass
	Water Tightness	EN 11296, EN 1367, EN 1928	Pass
<b>Mechanical Properties</b>	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
<b>Gas Permeability</b>	Methane Permeability	BS EN ISO 15105-1	< 514 ml/m <sup>2</sup> /day/atm
	Carbon Dioxide Permeability	BS EN ISO 15105-1	< 514 ml/m <sup>2</sup> /day/atm
	Radon Permeability	K124/02/95	4.3 x 10 <sup>-12</sup> m <sup>2</sup> /s
<b>Compliance and Certification</b>	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<sup>2</sup>

**Jointing and Sealing**

GP<sup>2</sup> can be heat welded or taped, with jointing carried out by competent personnel with suitable qualifications in accordance with best practice. GP<sup>2</sup> 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<sup>2</sup> DPC
- GP<sup>2</sup> Tape
- GP<sup>2</sup> Self Adhesive Membrane (SAM)
- GP<sup>2</sup> Primer
- GP<sup>2</sup> Top Hats and Preformed Corners
- GP<sup>2</sup> Protection Fleece
- GP<sup>2</sup> Void Vent (24/40mm)