

GP® 1

JUTA GP® 1 – Gas Barrier is a multi-layer, low-density polyethylene membrane, reinforced with a polypropylene reinforcing grid with an integral aluminium foil. GP® 1 is specifically designed and manufactured to perform as a Methane, Carbon Dioxide, Radon, Ground Gas, VOC/Hydrocarbon vapours, air & Moisture protection system.

Contact us for more information: info@juta.co.uk

CHARACTERISTIC	TEST METHOD	UNIT	JUTA GP® 1
PHYSICAL PROPERTIES			
THICKNESS	EN 1849-2	MM	0.6
WIDTH	EN 1849-2	M	Various
LENGTH	EN 1849-2	M	Various
WEIGHT	EN 1849-2	G/M²	350
HYDRAULIC PROPERTIES			
WATER COLUMN	EN 20811	-	>300
RESISTANCE TO WATER PENETRATION	EN 13967, EN 1928	-	PA55
WATER TIGHTNESS	EN 1296, EN 1367, EN 1928	-	PA55
MECHANICAL PROPERTIES			
RESISTANCE TO STATIC LOAD	EN 12730 - B	Kg	20
TENSILE STRENGTH (MD)	EN 12311 - 1	N/50mm	600
TENSILE STRENGTH (CMD)	EN 12311 - 1	N/50mm	480
TENSILE ELONGATION (MD)	EN 12310 - 1	%	20
TENSILE ELONGATION (CMD)	EN 12310 - 1	%	20
PUNCTURE RESISTANCE	EN 12236	kN	1.25
RESISTANCE TO TEARING (NAIL SHANK) MD	EN 12310 - 1	N	330
RESISTANCE TO TEARING (NAIL SHANK) CMD	EN 12310 - 1	N	400
DURABILITY AND CHEMICAL RESISTANCE			
TRANSMISSION RATE OF VOLATILE LIQUIDS - DIESEL	ISO 6179:2010 (B)	g/m²/h	0.246
TRANSMISSION RATE OF VOLATILE LIQUIDS - XYLENE	ISO 6179:2010 (B)	g/m²/h	0.571
TRANSMISSION RATE OF VOLATILE LIQUIDS - TOLUENE	ISO 6179:2010 (B)	g/m²/h	0.583
TRANSMISSION RATE OF VOLATILE LIQUIDS - PETROL	ISO 6179:2010 (B)	g/m²/h	0.135
GAS PERMEABILITY			
METHANE PERMEABILITY	BS EN ISO 15105 - 1	ml/m² /day/atm	<0.09
CARBON DIOXIDE PERMEABILITY	BS EN ISO 15105 - 1	ml/m² /day/atm	<0.09
RADON PERMEABILITY	K124/02/95	m² /s	8.0 x 10 ⁻¹⁵
COMPLIANCE AND CERTIFICATION			
CE MARK - EN13967:2012			
NHBC STANDARDS COMPLIANT			
BS 8485:2015 COMPLIANT			
BBA CERTIFIED - CERTIFICATE NO. 12/4912			

For the needs of today and the demands of tomorrow.

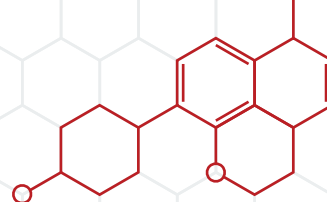
JUTA
Ability to Adapt



riba
product
selector



ADDITIONAL INFORMATION



HANDLING

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

STORAGE

Rolls of JUTA GP® 1 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

JUTA GP® 1 should be installed in accordance with the product installation guidelines, and in accordance with BS 8485:2015.

JOINTING AND SEALING

It is recommended JUTA GP® 1 be heat welded where possible, with welding carried out by competent personnel with suitable qualifications in accordance with best practice, and guidance contained within BS 8485:2015. JUTA GP® 1 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

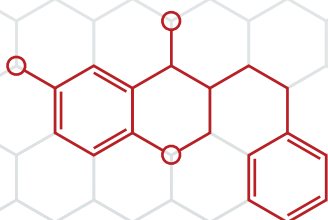
A wide range of accessories are available for use with the JUTA GP® 1 GAS BARRIER, including:

- ✧ JUTA GP® 1 STARTER BAND
- ✧ JUTA GP® TAPE
- ✧ JUTA GP® SELF ADHESIVE MEMBRANE
- ✧ JUTA GP® PRIMER
- ✧ JUTA GP® TOP HATS AND PREFORMED CORNERS
- ✧ JUTA GP® PROTECTION FLEECE
- ✧ JUTA GP® VOID VENT (25/40mm)



ADDITIONAL INFORMATION

For additional information or assistance, please contact JUTA UK directly.



Contact us for more information: Info@Juta.co.uk



PRODUCT DATA SHEET

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PREMSEAL GMA

GASPROOFING MEMBRANE

USES

PREMSEAL GMA is a sheet membrane constructed from an Aluminium / Polythene laminate coated on one surface with a layer of self adhesive polymer modified bitumen

The product is a tough, durable, self-adhesive sheet with an overall thickness of 1.0 mm.

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNITS	DATA
DIMENSIONS			
Backing Thickness	-	mm	0.1 Aluminium Polythene Laminate
Backing Type	-	-	
Adhesive Thickness	-	mm	0.90
Total Thickness	-	mm	1.00
Width	-	mm	1050
Length	-	m	28.6
Area	-	m ²	30
Weight	-	kg/m ²	1.1
Carton Weight	-	kg	33
MECHANICAL PROPERTIES			
Membrane Strength	ASTM D1000	N/mm	3.0
Elongation	ASTM D1000	%	40
Puncture Resistance	ASTM E154	N	250
Adhesion (180° Peel)	ASTM D1000	N/mm	2.0
FUNCTIONAL DATA			
Water Vapour Transmission	ASTM E96	g/m ² /24h	<0.1
Methane Gas Permeability	-	ml/m ² /24 hrs	<0.03
Radon Diffusion	-	m ² /s	5.0 X 10 ⁻¹⁴
Dimensional Stability	MOAT 27 5.1.6 (80°C)	%	
Longitudinal			0.0
Lateral			0.0

Note - the Typical Data shown in this leaflet is intended as a general guide and is based on tests carried out under controlled conditions. For further information on Product Specification consult Premier Coatings Ltd.