

TYPE A GAS & DAMP PROOFING

PUDLO GP1

PUDLO GP1 is a low-density, reinforced, LDPE aluminium foil ground gas membrane.

USES

- PUDLO GP1 is suitable for use in areas where carbon dioxide, methane and radon are present in the ground
- PUDLO GP1 is also satisfactory for use as a damp-proof membrane, in accordance with CP 102:1973, Section 2 and BS 8000-4:1989

APPLICATION & INSTALLATION

Refer to PUDLO GP1 installation manual

STORAGE & SHELF LIFE

- Store rolls in dry conditions
- Product has a 12-month shelf life. Please contact the PUDLO technical team if stored for 12-months or more

PRODUCT DIMENSIONS, COVERAGE & PACKAGING

- PUDLO GP1 comes in 2 x 50m
- Each Roll covers an area of 100m². Allow a minimum of 100mm for overlaps between roll edges/ends, when estimating quantities.
- Please see PUDLO GP1 installation guide for further details



BENEFITS

- Taped or heat-welded system
- Complies with BS8485:2015+A1:2019
- High gauge Damp Proof Membrane
- Can be used over Beam and Block floors
- Can be used beneath ground bearing or reinforced concrete slabs
- Complies with BRE211 Protection from radon

ANCILLARY PRODUCTS

- PUDLO GB Lap Tape
- PUDLO GB Tape

HEALTH & SAFETY

PUDLO GP1 rolls are heavy - roll weighs 40KG. Please refer to PUDLO GP1 MSDS for more information

FIRE

Fire hazard : No fire hazard.
 Reactivity in case of fire : Not applicable.
 Hazardous decomposition products in case of fire : Toxic fumes may be released
 Refer to MSDS for further information

FURTHER INFORMATION

For further information on accessories that are used with PUDLO GP1, please contact: technical@pudlo.com.



TYPE A GAS & DAMP PROOFING

TECHNICAL DATA

PHYSICAL PROPERTIES

Characteristics	Test method	Unit	PUDLO GP1
Thickness	EN 1849-2	mm	0.6
Width	EN 1849-2	M	2
Length	EN 1849-2	M	50
Weight	EN 1849-2	g/m ²	350

HYDRAULIC PROPERTIES

Characteristics	Test method	Unit	PUDLO GP1
Water column	EN 20811	-	>300
Resistance to water penetration	EN 13967, EN 1928	-	PASS
Water tightness	EN 1296, EN 1367, EN 1928	-	PASS

MECHANICAL PROPERTIES

Characteristics	Test method	Unit	PUDLO GP1
Resistance to static load	EN 12730	Kg	20
Tensile strength (MD)	EN 12311-1	N/50mm	600
Tensile strength (CMD)	EN 12311-1	N/50mm	480
Tensile elongation (MD)	EN 12311-1	%	20
Tensile elongation (CMD)	EN 12311-1	%	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

PRODUCT NUMBER

4165/0039

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Technical Data

Durability & chemical resistance

Characteristics	Test method	Unit	PUDLO GP1
Transmission rate of volatile liquids – diesel	ISO 6179:2010 (B)	g/m ² /h	0.246
Transmission rate of volatile liquids – xylene	ISO 6179:2010 (B)	g/m ² /h	0.571
Transmission rate of volatile liquids – toluene	ISO 6179:2010 (B)	g/m ² /h	0.583
Transmission rate of volatile liquids – petrol	ISO 6179:2010 (B)	g/m ² /h	0.135

Gas permeability

Characteristics	Test method	Unit	PUDLO GP1
Methane permeability	BS EN ISO 15105-1	ml/m ² /day/atm	<0.9
Carbon dioxide permeability	BS EN ISO 15105-1	ml/m ² /day/atm	<0.9
Radon permeability	K124/02/95	m ² /s	8.0 x 10 ⁻¹⁵

Certification

Organisation	Requirements
CE mark	EN13967:2012
NHBC	Compliant for green, amber or red
BS	BS8485:2015 A1:2019
BBA certified	BBA 20/5736

Supporting documents

- PUDLO GP1 MSDS
- PUDLO GP1 Installation Manual
- Product webpage - please see www.pudlo.com