



Part of the DB Group

PUDLO GB Self Seal

DESCRIPTION

PUDLO GB Self Seal is an advanced waterproof membrane which can resist the passage of radon and methane gas. The membrane is manufactured from an aluminium and cross-orientated HDPE film and a layer of rubber modified bitumen adhesive. Tests show that this advanced backing film and adhesive layer provide good technical performance for the suppression of methane and radon.

USES

For all aspects of gas protection and waterproofing.

PUDLO GB Self Seal can also be used where a Grade 2 or Grade 3 environment is required as part of a single or dual system as recommended in BS8102:2009. **PUDLO GB Self Seal** is a robust solution and is suitable for the following:

- Gas proofing of landfill sites.
- Radon and methane affected areas.
- Waterproofing foundations, basements, roofs,
- Podium decks, lift shafts, car parks and subways.



BENEFITS

- Independent certification for the suppression of methane and radon gas.
- Excellent overlap integrity due to bitumen joint.
- Factory controlled thickness.
- Very quick and easy installation. Membrane overlaps can be taped.
- Flexible which accommodates excellent bond to the substrate.
- Non-hazardous.
- Resistant to dilute acids and alkalis.
- High protection against surface ground water and soluble salts such as sulphates and chlorides.
- Can resist 6 metre head of water when fully supported.

The membrane should be covered with a cementitious screed or similar protective layer as soon as possible after it has been installed.



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PRODUCT DATA SHEET

TECHNICAL DATA

Properties

Characteristics	Test Method	Unit	Tolerance	Result
Thickness	EN 1849-2	mm	-5% to +10%	1.00
Width	EN 1842-2	m	-5% to +5%	1.05
Length	EN-1848-2	m	-0% to +5%	19.05
Weight	-	kg	-	33
Mass	EN 1849-2	g/m ²	-10% to +10%	1100
Backing Thickness	-	mm	-	0.1
Backing Type	-	mm	-	Laminate
Adhesive Thickness	-	mm	-	0.90
Area	-	m ²	-	30

Mechanical Properties

Characteristics	Test Method	Unit	Tolerance	Result
Water Tightness to Liquid	EN 1928	-	-	Pass
Resistance to Static Load	EN 12730	kg	-	20kg pass
Maximum Tensile Strength CD	EN 12311-2	N/mm ²	-	≥ 2
Maximum Tensile Strength MD	EN 12311-2	N/mm ²	-	≥ 2
Elongation at Break MD	EN 12311-2	%	-	≥ 2 120
Elongation at Break CD	EN 12311-2	%	-	≥ 2 120
Durability Water Tightness Against Ageing	EN 1847 Method A 60 KPa	-	-	Pass
Durability Water Tightness Against Chemicals	EN 1847 Method A 60 KPa	-	-	Pass
Resistance to Impact	EN 12691	mm	-	≥ 500
Resistance to Tear (Nail Shank) CD	EN 12310-1	N	-	≥ 100
Resistance to Tear (Nail Shank) MD	EN 12310-1	N	-	≥ 100
Reaction to Fire	EN 13501	Euro	-	Class F
Joint Strength	EN 12317-2	N	-	≥ 30
Water Vapour Transmission (Density Flow Rate)	EN 1931	g/(day m ²)	-	0.013
Water Vapour Transmission (Resistance Factor)	EN 1931	μ	-	2380000
Methane Gas Permeability	-	ml/m ² /24hr	-	<0.03
Radon Diffusion	-	m ²	-	5.0 X 10 ⁻¹⁴

SURFACE PREPARATION

Prior to application of **PUDLO GB Self Seal** the concrete surface should be primed using **PUDLO Self Seal Primer**.



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INSTRUCTIONS FOR USE

First apply **PUDLO Self Seal Primer** to the substrate ensuring complete coverage and allow to dry. Only prime the areas where **PUDLO GB Self Seal** membrane is to be installed on the same day. **PUDLO GB Self Seal** should be applied allowing 100mm for edge laps and 150mm for end laps. Overlaps must be sealed with **PUDLO GB Self Seal Tape**.

ANCILLARY PRODUCTS

- **PUDLO Self Seal Primer.**
- **PUDLO GB Self Seal Tape.**
- **PUDLO Geo Flo (drainage layer required depending on location of application).**
- **PUDLO Self Seal Reinforced Strip.**
- **PS Termination Strap (for interfacing between PUDLO waterproof membranes).**

HEALTH & SAFETY

Please refer to **PUDLO GB Self Seal** and **PUDLO Self Seal Primer** MSDS for more information.

STORAGE & SHELF LIFE

PUDLO GB Self Seal rolls must be stacked on their ends and stored in dry, well ventilated buildings and kept out of direct sunlight or other sources of heat. Storage conditions should be adjusted before application to bring the temperature of the rolls to within relevant specified application range.

For further information on accessories that are used with **PUDLO GB Self Seal** please contact PUDLO Head Office on 01954 780687 or email sales@pudlo.com.