

NBS PLUS MANUFACTURER'S PRODUCT PAGE

Product name: PUDLO GB Self Seal



Product summary:

An advanced waterproof membrane, manufactured from an aluminium and cross-orientated high-density polyethylene (HDPE) film and a layer of rubber modified bitumen adhesive.

Product general description:

An advanced waterproof membrane, manufactured from an aluminium and cross-orientated high-density polyethylene (HDPE) film and a layer of rubber modified bitumen adhesive.

Features and benefits:

- Provides high performance protection from the passage of methane and radon gas.
- Good overlap integrity due to bitumen-to-bitumen joint.
- Quick and easy installation; membrane overlaps can be taped.
- Flexible, and provides good bonding to the substrate.
- Non-hazardous.
- Resistant to dilute acids and alkalis.
- Provides high protection against surface ground water and soluble salts such as sulphates and chlorides.
- Can resist up to 6 m head of water when fully supported.

Applications:

Can be used as a gas proof or waterproof membrane. Suitable for:

- All aspects of waterproofing and gas proofing where a Grade 2 or grade 3 environment is required as part of a single or dual system recommended in BS 8102: 2009.
- Gas proofing or landfill sites.
- Radon and methane affected areas.
- Waterproofing foundation, basements and roofs.
- Podium decks, lift shafts, car parks and subways.

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

Product specification clause

Product reference:

[PUDLO GB Self Seal](#)

Product properties:

- Accessories/ Other requirements:
[And]
[Not required](#)
[PS Termination Strap](#) - For interfacing between PUDLO GB Self Seal and PUDLO Membrane BW.
[PUDLO Self Seal Primer](#) - For priming concrete surfaces prior to application. Should be applied allowing 100 mm for edge laps and 150 mm for end laps.
[PUDLO GB Self Seal Tape](#)
[PUDLO Geo Flo](#) - Drainage layer required depending on location of application.
[PUDLO Self Seal Reinforced Strip](#)

End of product specification clause

As standard:

Size (w x l):

1.05 x 28.6 m.

Weight:

33 kg.

Thickness:

1 mm.

Technical characteristics:

- Mass (to EN 1849-2): 1100 g/m².
- Backing thickness: 0.1 mm.
- Backing type: Laminate.
- Adhesive thickness: 0.90 mm.
- Area: 30 m².

- Mechanical properties:

- Water tightness to liquid (to EN 1928): Pass.
- Resistance to static load (to EN 12730): 20 kg; pass.
- Maximum tensile strength, cross direction (CD) (to EN 12311-2): ≥ 2 N/mm².
- Maximum tensile strength, machine direction (MD) (to EN 12311-2): ≥ 2 N/mm².
- Elongation at break, machine direction (MD) (to EN 12311-2): $\geq 2120\%$.
- Elongation at break, cross direction (CD) (to EN 12311-2): $\geq 2120\%$.
- Durability water tightness against ageing (to EN 1847, method A, 60 KPa): Pass.
- Durability water tightness against chemicals (to EN 1847, method A, 60 KPa): Pass.
- Resistance to impact (to EN 12691): ≥ 500 mm.
- Resistance to tear (nail shank, cross direction) (CD) (to EN 12310-1): ≥ 100 N.
- Resistance to tear (nail shank, machine direction) (MD) (to EN 12310-1): ≥ 100 N.
- Reaction to fire (to EN 13501): Class F.
- Joint strength (to EN 12317-2): ≥ 30 N.
- Water vapour transmission (density flow rate) (to EN 1931): 0.013 g/(day m²).
- Water vapour transmission (resistance factor) (to EN 1931): 238 0000 μ .
- Methane gas permeability: < 0.03 ml/m²/day.
- Radon diffusion: 5.0×10^{-14} .

Options:

No optional features

Approvals:

No approvals