

## NBS PLUS MANUFACTURER'S PRODUCT PAGE

**Product name:** PUDLO GB Reinforced



### Product summary:

Reinforced aluminium foil ground gas membrane, manufactured from low-density polyethylene (LDPE).

### Product general description:

Reinforced aluminium foil ground gas membrane, manufactured from low-density polyethylene (LDPE).

#### Applications:

- Suitable for use in areas where carbon dioxide, methane and radon are present in the ground.
- Can be used as a damp-proof membrane in accordance with CP 102: 1973, Section 2 and BS 8000-4: 1989.

#### Approvals:

- CE marked.
- Manufactured in accordance with EN 13967: 2012 and BS 8485: 2015.
- NHBC Standards Compliant.
- BBA certified as a volatile organic compound (VOC) barrier.

All membrane overlaps must be a minimum of 100 mm. Should be applied with a silicone roller to remove any trapped air, and should be heat welded where possible. Consult manufacturer for further installation information.

### Product specification clause

### Product reference:

PUDLO GB Reinforced

### Product properties:

- Accessories/ Other requirements:  
Not required  
PUDLO GB Lap Tape - For taping joints.

### End of product specification clause

### As standard:

**Size (w x l):**  
2 x 50 m.

**Weight:**  
350 g/m<sup>2</sup>.

**Thickness:**  
0.6 mm.

**Technical characteristics:****- Hydraulic properties:**

- Water column (to EN 20811): >300.
- Resistance to water penetration (to EN 13967 and EN 1928): Pass.
- Water tightness (to EN 1296, EN 1367, EN 1928): Pass.

**- Mechanical properties:**

- Static load resistance (to BS EN 12730): 20 kg.
- Tensile strength (to BS EN 12311-1): Machine direction (MD): 600 N/ 50 mm; cross machine direction (CMD): 480 N/ 50 mm.
- Tensile elongation (to BS EN 12311-1): Machine direction/ cross machine direction (MD/ CMD): 20%.
- Pressure resistance (to EN 12236): 1.25 kN.
- Resistance to tearing (nail shank, to EN 12310-1): Machine direction (MD): 330 N; cross machine direction (CMD): 400 N.

**- Durability and chemical resistance:**

- Transmission rate of Diesel (to ISO 6179: 2010, Part B): 0.246 g/m<sup>2</sup>/h.
- Transmission rate of Xylene (to ISO 6179: 2010, Part B): 0.571 g/m<sup>2</sup>/h.
- Transmission rate of Toluene (to ISO 6179: 2010, Part B): 0.583 g/m<sup>2</sup>/h.
- Transmission rate of Petrol (to ISO 6179: 2010, Part B): 0.135 g/m<sup>2</sup>/h.

**- Gas permeability:**

- Methane permeability (to BS EN ISO 15105-1): <0.09 ml/m<sup>2</sup>/day/atm.
- Carbon dioxide permeability (to BS EN ISO 15105): <0.09 ml/m<sup>2</sup>/day/atm.
- Radon permeability (to K124/02/95): 8.0 x 10<sup>-15</sup> m<sup>2</sup>/s.

**Options:**

No optional features

**Approvals:**

No approvals