



Part of the DB Group

PRODUCT DATA SHEET

PUDLO Geo-Flo

DESCRIPTION

PUDLO Geo-Flo is a dual, twin-layered cavity drainage board. **PUDLO Geo-Flo** comes in two layers. The first layer is an 8mm studded membrane which provides adequate drainage capacity and the second layer is a geotextile mat to prevent soil and other particles blocking the cavity and/or land drain.

USES

PUDLO Geo-Flo is designed to manage ground water to the land drain reducing pressure on the structure.

BENEFITS

- Quick and easy to install
- Relieves hydrostatic pressure on the structure from the surrounding soil
- Promotes flow of ground water
- Protection from root penetration
- Increases thermal insulation to the structure
- High drainage capacity
- Allows for backfilling
- Suitable for use in all construction types
- Acts as barrier against radon and methane
- Provides resistance to chemicals



TECHNICAL DATA

Characteristics	Unit	PUDLO Geo-Flo
Thickness	mm	8
Weight	kg	22.5
Height	mm	8mm Studs (spacing 1860m ²)
Material	-	Layer 1 - HDPE / Layer 2 - PP
Size	-	2x20m (40m ²)
Colour	-	-
Drainage	Lt/sec/m	4.6
	Lt/min/m	276
	Lt/hour/m	16,600
Permeability	Lt/m ² /sec	100
Compressive Strength	kN/m ²	250
Temperature	°C	-40°C to +80°C



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INSTALLATION

PUDLO Geo-Flo is typically used in external applications up against retaining walls, podium decks and green roof applications. **PUDLO Geo-Flo** is used to protect the primary waterproofing system against backfill. In below-ground waterproofing **PUDLO Geo-Flo** is used to divert water away from the structure. Prior to installation, all surfaces should be clean from excess dirt/debris and free from contaminants.

It is important that before **PUDLO Geo-Flo** is installed that consideration has been given as to what the soil composition i.e. clay (creates perched water tables), chalk etc. and level of the water table i.e. high/ low/ variable.

During installation, **PUDLO Geo-Flo** membrane should be applied to the outer face of the structure, and with the geotextile fabric facing away from the structure (outwards). **PUDLO Geo-Flo** sheets should be applied vertically and secured with the **PUDLO CD Plug**. Overlap joints for vertical application should be a minimum of 450mm and 150mm for horizontal application.

Fix **PUDLO Geo-Flo** to the top of the wall externally using **PUDLO Finishing Strip** and **PUDLO CD Plug** at 150mm centres horizontally. The finishing strip is rigid and should be fixed at G/F level or just above to prevent rainwater or soil entering the cavity. Note: the geotextile layer can be pulled back to allow for the studs to overlap. When fixing horizontally, the lower sheet is placed first, then use **PUDLO CD Tape** to seal the overlaps. It is important to remember that joints sealed with tape are not waterproof against standing water, it is vital that all overlaps are flat and even so the water can drain freely to the bottom of the wall. Once the drainage layer is at the bottom of the wall, ensure the membrane extends to or just below the level of the land drain and that the land drain is encapsulated in a granular infill and placed below footings/internal floor level. For further advice on land drain position please contact **PUDLO Waterproofing Systems**.

INSTALLATION

When back-filling, please do so with care and do not damage the membrane. Always check the land drain will carry the water away from the footings. This can be done passively (by the sloping ground) or actively (water direct through the pipe to a sump and pump).

PACKAGING

PUDLO Geo-Flo comes in 2m X 20m rolls.

ANCILLARY PRODUCTS

- **PUDLO Cavity Drain System**
- **PUDLO Type A & B Applications**
- **PUDLO CD Plug**
- **PUDLO Finishing Strip**

HEALTH & SAFETY

Refer to **PUDLO Geo-Flo** MSDS for more information.

For further information on accessories that are used with **PUDLO Geo-Flo**, please contact **PUDLO** Head Office on 01954 780687 or email sales@pudlo.com.