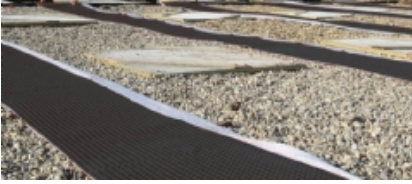


Visqueen Geocomposite Drainage and Venting Mat

Page 1 of 2



- **Rapid installation in both drainage and venting applications.**
- **High flow capacity to alleviate hydrostatic pressure on below ground structures.**
- **Serves as protection to externally applied tanking or gas protection membranes.**
- **Creates a depressurisation zone for collection of ground gases.**
- **Cost effective compared to traditional below slab perforated pipework and fill.**

Description

Visqueen Geocomposite Drainage and Venting Mat is a UK manufactured preformed drainage and venting layer supplied in roll form. It comprises a cusped HDPE (High Density Polyethylene) core bonded to a nonwoven polypropylene geotextile filter membrane. Visqueen Geocomposite Drainage and Venting Mat is 25mm thick and supplied in rolls 985mm x 50m.

Application

When laid the product forms a void to collect and transmit water and/or gas into adjacent drainage outlets or collector pipes. Typical applications include drainage for externally applied tanking, drainage behind retaining walls, gas venting below ground bearing slabs, etc. The product can be applied horizontally or vertically.

Important Installation Information

Visqueen Geocomposite Drainage and Venting Mat is designed to be installed with the geotextile filter side of the product facing the direction of the water or gas flow.

For further information please see our Installation section on page 2.

Visqueen Geocomposite Drainage and Venting Mat

Page 2 of 2

Installation

Visqueen Geocomposite Drainage and Venting Mat is designed to be installed with the geotextile filter side of the product facing the direction of the water or gas flow. Rolls can be cut to length with a sharp knife.

In drainage applications, the product is butted together to create a blanket. In venting applications, the product can be laid as single widths beneath a ground bearing slab or raft foundation to create a strip effect, or butted together to create a blanket. When laying in strip format, careful consideration should be given to the slab layout and any available data regarding gas concentration and flow rate. Refer to Visqueen Technical Support for system design advice.

When laid as strips, the ends of the Geocomposite Mat are inserted into Visqueen Tee Manifold Connectors which are commonly joined to Visqueen Periscope Vents via Visqueen Periscope Vent Adapters, thereby allowing the collected gases to exhaust to external air. Other exhaust systems e.g. ground vent boxes, venting bollards, etc are also available.

When installing the product over vertically applied tanking membranes or gas protection membranes, it also serves as protection against backfill. The Geocomposite Mat can be bonded to the membrane with Visqueen Double Sided Jointing Tape.

Jointing

Where a blanket is required, unroll the mat into position. The next roll should be placed in a similar way to the first so the dimpled cores butt together.

The geotextile filter membrane extends beyond the width of the dimpled HDPE core at one side; this creates an overlap flap. Continue laying further rolls in a similar manner to create the blanket.

Precautions

Before backfilling or gas membrane application, inspect the installation of the product to ensure that gaps, open ends or sides where soil, aggregate, etc can enter the core are wrapped with geotextile filter membrane and secured with Visqueen DPM Girth Lap Tape.

TYPICAL PROPERTIES

Technical Data

Mat Dimensions	25mm thick, 985mm x 50m
Roll Weight	74kg
Roll Diameter	1.3m
Geotextile Water Flow Rate (BS EN ISO 11058)	120 l/m ² /s
Compressive Strength	180 kN/m ²
Maximum In-Plane Water Flow Capacity (EN ISO 12958)	20 l/s per metre width
Shear Strength (EN ISO 13426-2)	1kN
Chemical Resistance	Highly resistant

The information given in this datasheet is based on data and knowledge correct at the time of printing. Statements made are of a general nature and are not intended to apply to any use or application outside any referred to in the datasheet. As conditions of usage and installation are beyond our control we do not warrant performance obtained but strongly recommend that our installation guidelines and the relevant British Standard Codes of Practice are adhered to. Please contact us if you are in any doubt as to the suitability of application.

SPECIFICATION SUPPORT

The following items are available to view online or to download from www.visqueenbuilding.co.uk

- . Technical Datasheets
- . Typical installation CAD details
- . Health and Safety data

Register online for access to NBS Clauses and for information about our CPD Seminars



TECHNICAL SUPPORT

For advice on detailing or installation call Visqueen Building Products Technical Help Line 0845 302 4758. Pricing & Availability may be obtained from our UK Network of merchant stockists. For details of these call our Sales Office on 0845 302 4758.



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