

Protect & Drain
CE Mark to EN 13252



- High performance protection and drainage medium
- High flow capacity to alleviate hydrostatic pressure on below ground structures
- Complete range for various site conditions
- Unrivalled CSSW qualified Visqueen technical support

Description

Visqueen Protect&Drain range consists of a geotextile filter membrane thermally bonded to a cusped HDPE core. The product is available in three sizes: 0.97m x 25m x 6mm thick, 1m x 25m x 12mm thick and 900mm x 50m x 25mm thick

Application

Visqueen Protect&Drain is predominantly used in external tanking applications, the product forms a void to collect and transmit water into adjacent drainage outlets or collector pipes. Typical applications include drainage for externally applied tanking and drainage behind retaining walls.

Visqueen adopt a risk based approach water management where sites are subjected to waterlogging on ground such as clay. To alleviate the pressure and transmit higher water capacities, a higher drainage medium is required such as 12mm or 25mm membrane.

Our technical team are qualified Certificated Surveyor in Structural Waterproofing (CSSW) specialists and will ensure correct specification. Please contact 0333 202 6800 for support on your project.

In addition Visqueen Protect&Drain acts as a heavy duty protection medium for Visqueen damp proofing, gas proofing and tanking membranes.



Installation

Visqueen Protect&Drain is designed to be installed with the geotextile filter side (white face) of the product facing the direction of the water flow. Rolls can be cut to length with a sharp knife.

External tanking applications

The membrane is installed horizontally across the retaining wall. Prior to backfilling, the membrane can be temporary held in place using Visqueen GX Double Sided Jointing tape 100mm wide.

Roll-end jointing (vertical)

The geotextile filter membrane extends beyond the width of the dimpled HDPE core at one side; this creates an overlap flap which should be secured to the adjacent roll with VisqueenPro Single Sided Jointing Tape. Continue laying further rolls until the tanking membrane is protected over its entire area.

Side-lap jointing (horizontal)

Unroll into position. Adjacent rolls should be placed in a similar way to the first so the dimpled cores butt together. Prior to backfilling, the membrane can be temporary held in place using Visqueen GX Double Sided Jointing tape.

Connecting to land drains

When linking to perforated land drains at the base of the retaining wall, peel the geotextile fleece to sufficiently wrap around the perforated pipe\land drain and cut the surplus membrane away being careful not to cut through the geotextile fleece.

The land drain must be maintainable and positioned as per the guidance BS8102:2009. Contact Visqueen for further information.

For Visqueen Protect&Drain 25, consider a larger diameter land drain to ensure capacity requirements are met.

Covering and backfilling

Before covering, inspect the installation of the product to ensure that gaps, open end or side laps where soil, aggregate, etc can enter the core are wrapped with geotextile and secured with VisqueenPro Single Sided Jointing Tape.

Starting the backfill process with clean stones, care then should be taken to ensure the membrane is not crushed by the force of the backfill.

Technical Data and CE Mark

Visqueen Protect&Drain complies with the requirements and clauses of EN 13252 Geotextile-related product for drainage (D) in drainage systems Intended use: D

BTTG Factory Production Control Certificate (FPC) applies: 0338 - CPR - 0911



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Product Data

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heading	Characteristic	Test method	Units	Result	Result	Result
	Thickness	EN ISO 9863-1	mm	25	12	6
	Width		mm	900	1000	970
	Length		m	50	25	25
	In-plane Waterflow Capacity using hard/soft Platens (i=1.0)@20kPa	EN ISO 12958	l/s/m	10	5	1.83
	Puncture strength (CBR)	BS EN ISO 12236	kN	2.2	2.4	1.7
	Compressive strength		kn/m2	300	500	700
	Roll weight approx.		kg	74	30	73
	Roll diameter approx.		m	1.3	1	1
	Waterflow through Geotextile	BE EN ISO 11058	l/m/s	100	100	80





Visqueen Building Products

Visqueen is the market leader in the manufacture and supply of structural waterproofing and gas protection systems. Visqueen offers the complete package - a proven, reliable range backed by a technical support service that goes unmatched in the market - everything you would expect from a reputable and ethical company.

System Accessories

To ensure full waterproofing protection please use the following certified system components:

- Visqueen High Performance (HP) Tanking Primer
- Visqueen TreadGUARD1500
- Visqueen Protect&Drain
- Visqueen Top Hat Unit

Downloads Library

- Technical Datasheet
- Declaration of Performance
- Visqueen's Guide to CE Marking

Find your local stockist

Search our directory of Visqueen specification Stocking Centres to locate your nearest Visqueen Partner.

Distributor Support

Our specification Stocking Centres can access a free library of sales support tools, bespoke catalogues and more, [click here](#).

Technical support throughout your project

We are specialists in our field and can help you specify the correct solutions with the necessary performance levels, in accordance with building regulations.

- Nationwide site support team
- Specification advice
- Installation guidance & project sign off
- System design including CAD details

