

Protect & Drain
CE Mark to EN 13252



- **High puncture resistance**
- **High flow capacity to alleviate hydrostatic pressure on below ground structures**
- **Complete range for varying 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 two sizes: 0.97m x 25m x 6mm 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. Where sites are subjected to waterlogging on ground such as clay, then to alleviate the pressure and transmit higher water capacities, Visqueen recommends 25mm product.

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, backfill medium or slab. Rolls can be cut to length with a sharp knife.

Unroll into position. Adjacent rolls 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 which should be secured to the adjacent roll with VisqueenPro Single Sided Jointing Tape. Continue laying further rolls until the membrane is protected over its entire area.

Visqueen Protect&Drain can be strip bonded to membranes with Visqueen Zedex DPC Jointing Tape.

External tanking applications

The membrane is installed like wall paper lining i.e start from the bottom and unroll the membrane up the wall. Backfill onto the membrane as you lift it up the vertical structure. This installation method supports and keeps the membrane in place whilst not letting it fall to the ground.

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 cusped membrane away being careful not to cut through the geotextile fleece.

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

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
Thickness		EN ISO 9863-1	mm	25	6
Width			mm	900	970
Length			m	50	25
Puncture strength (CBR)		BS EN ISO 12236	kN	2.2	1.7
Compressive strength			kn/m2	300	700
Roll weight approx.			kg	74	73
Roll diameter approx.			m	1.3	1
Waterflow through Geotextile		BE EN ISO 11058	l/m/s	100	80
In-plane Waterflow Capacity using hard/soft Platens (i=1.0)@20kPa		EN ISO 12958	l/s/m	10	1.83
In-plane Waterflow Capacity using hard/soft Platens (i=1.0)@100kPa		EN ISO 12959	l/s/m	6	1.69





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

