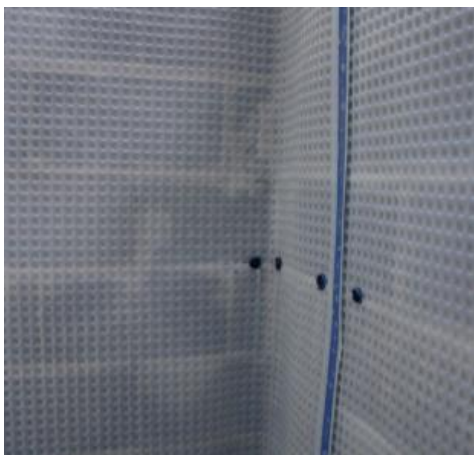


V8 Wall Membrane BS8102 Type C Cavity Drain System



- A high quality robust HDPE studded membrane
- Suitable for new, existing and retrofit build projects
- Quick and easy to install wall membrane
- BBA Approved
- BS8102 Type C cavity drain protection

Description

Visqueen V8 Wall Membrane is a 0.5mm thick high density polyethylene (HDPE) profiled sheet with approximate 7 mm high studs placed at approximate 25mm centres in both directions. The membrane is tough but pliable and can be bent round corners and projections without risk of breaking, even in very low temperatures. The product can be easily cut with a knife or scissors. The membrane is an integral part of Visqueen's Cavity Drain System which effectively acts as a below (and some above) ground water management system. It is supplied in rolls of 2.07m x 20m incorporating a 70mm flanged edge and is translucent white in colour.

Application

The membrane is used as a wall membrane and part of the Visqueen Cavity Drain System. The system is typically used for internally tanking basements, sub structures and retaining walls within new, existing and retrofit build projects. The system can also be used for heritage buildings and in conservations projects.

In accordance with Type C structures (as classified in BS8102:2009), when applied and installed correctly, the Visqueen Cavity Drain System is capable of providing the levels of protection required for Grades 1, 2 & 3 basements. Examples of use of structure for Grade 1 include car parks; Grade 2 - plant rooms; and Grade 3 are living areas such as residential and offices.

The product can also be used in conjunction with Type A or B protection where additional combined protection is required.

BS8102:2009

The Basement Information Centre has produced an excellent general guidance document for BS8102:2009 Basement Waterproofing. The publication examines the factors to consider when deciding the form of basement waterproofing, designs and the main characteristics of the main types of waterproofing solutions. For more information on BS8102:2009 please [click here](#).

All construction should conform with the Building Regulations, Codes of Practice and British Standards in current use at the time the building is being constructed. In particular it is recommended that reference is made to BS 8102:2009 and Visqueen's BBA certificate.

Preparation

All surfaces: Should be firm, and free from obstructions, which would hamper free drainage. Defects that might result in unacceptable leaks should be remedied before the system is installed.

All surfaces: Should be pre-treated with Visqueen Anti-Lime Coating to reduce the risk of leaching of free lime or mineral salts and to avoid the obstruction of the drainage system.

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Vertical application

Installation of the Visqueen V8 Wall Membrane is ideally commenced at the top of the construction with studs facing the wall.

Fixings

Fixings are made through the membrane into 10 mm holes drilled through the studs to a minimum depth of 75mm (use punch). Visqueen Masonry Plugs, to which Visqueen Sealing Rope has been applied around the rim, are inserted into the holes and tapped flush with the membrane. The Visqueen Sealing Rope forms a sealing gasket between the plug and membrane. The fixings are normally required at 1.0m centres, and should be staggered. Fixings are also required immediately either side of the laps.

Overlaps

Flanged edges should always be positioned in front of, and overlapping, the previously installed membrane width. Laps with flanged edges are bonded using Visqueen V8 Double Sided Jointing Tape, and laps without flanges are interlocked with the outer edge covered with Visqueen CD Corner Strip.

Service Entry Seals

Where there are services such as pipes, ducting or steel stanchion that protrude through walls or floors, the membrane should be carefully cut and trimmed around the obstacle and sealed using Visqueen CD Corner Strip material.

Wall/floor junctions

If linking the V8 wall membrane to the V20 floor membrane, this can be achieved using Visqueen Corner Strip. The vertical and horizontal membranes should be butt jointed at the base of the wall. Visqueen Corner Strip is folded in half along the length of the piece to be used to create the 90o angle. Once correctly aligned, carefully pull off the backing paper and press firmly out with the palm of the hand onto the floor and wall membranes.

Water management

A drainage system of suitable capacity should be provided to collect and dispose of the infiltrating water. The system must be maintainable and inspected at regular intervals. Please contact Visqueen Technical Support team for further information on 0333 202 6800 or email enquiries@visqueenbuilding.co.uk Please also [click here to see Visqueen's full range of accessories.](#)

Storage

Rolls of the product should be stored upright when stored over long periods, in a warm dry environment and preferably under cover.

System components – see separate datasheet for detailed information. Visqueen produce a range of ancillary products for use with V8 Wall membrane which include:

- Visqueen V8 Double Sided Sealing Tape (25mm x 20m) - Bonds V8 Wall membranes together to ensure watertight joint
- Visqueen CD Corner Strip (150mm x 10m) supplied 2 rolls per box -A single sided tape to join the Wall/Floor junction (90o angles)
- Visqueen Masonry Plugs (10mm x 75mm) supplied 100 per box. - A fixing plug for vertical fixing of the cavity drain
- Anti-Lime Coating supplied in 25L tubs- see separate datasheet or [click here](#)
- Water Channel – see separate datasheet or [click here](#)
- Sumps & Pumps - see separate datasheet or [click here](#)



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- Visqueen V20 Floor Membrane (2m x 20m) -A HDPE membrane with a 20mm stud height designed for horizontal (floor) applications
- Visqueen V20 Sealing Rope (10mm x 5m) supplied 2 rolls per box -Bonds V20 Floor membranes together to ensure watertight joint. Also used with Visqueen Masonry plugs as a sealing gasket

Technical Data and CE Mark

Visqueen V8 Wall Membrane complies with the requirements and clauses of EN 13967.



V8 Wall Membrane BS8102 Type C Cavity Drain System

Product Data

Product Data

| heading | Characteristic | Test method | Units | Compliance criteria | Value or statement |
|--|----------------|-------------|-------------------|---------------------|--------------------|
| Dimensions | | | m | | 2.07 x 20 |
| Stud height | | | mm | | 6.5 |
| Mass | | EN 1849-2 | kg/m ² | -10%/10% | 0.45 |
| Air gap volume | | | l/m ² | | 4 |
| Drainage capacity (approx.) | | | l/m ² | | 3.8 |
| Max compressive strength | | | kN/m ² | | 150 |
| Resistance to deformation under load (max) @ 50kN/m ² | | | % | | 30 |
| Linear coefficient of thermal expansion | | | mm/m.oC | | 0.18 |
| Watertightness | | EN 1928 | - | Pass/Fail | Pass @2kPa |
| Durability after artificial ageing | | EN 1847 | - | Pass/Fail | Pass |
| Durability against chemicals | | EN 1847 | - | Pass/Fail | Pass |
| Resistance to tearing (min.) | | EN 12310-1 | N | > | 290 |
| Resistance to tearing (nail shank) CD | | EN 12310-1 | N | > | |
| Water vapour resistance properties (m) | | EN 1931 | Sd | -25%/25% | 380 |
| Resistance to static loading | | EN 12730 | Kg | >MLV | Pass @ 20 Kg |
| Resistance to Impact method A | | EN 12691 | m | MDV | Pass @ 0.25 |
| Reaction to fire | | EN 13501-1 | | Class | F |
| Joint Resistance | | EN 12317-1 | N | > | 55 |
| Tensile properties - MD | | EN 12311-2 | N/50 mm | > | 340 |
| Tensile properties - CD | | EN 12311-2 | N/50 mm | > | 225 |



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Appendix A



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

