

## Visqueen Plaster Base Membrane

### Features and benefits

- BBA certified - third party certification
- Type C membrane (drained protection) - part of a cavity drainage system in accordance with BS 8102:2009
- Undercut stud design - creates mechanical key for plaster
- Prime HDPE - robust studded wall membrane
- Multi-use - suitable for new, existing and retrofit build projects
- Large roll formats with flanged edges for jointing - quick and easy to install
- Pliable - can be bent round corners and projections without risk of breaking

### Product description

Visqueen Plaster Base Membrane is a 0.5mm thick, high density polyethylene (HDPE) profiled sheet with approximate 5 mm high studs. The membrane is supplied in large format roll 2m x 20m.

### Approvals and standards

- Third party certification - BBA Certificate No. 21/5867
- CE Mark EN 13967
- Suitable for use as part of a Type C (drained) waterproofing protection system to BS 8102:2009
- Quality Management System ISO 9001

### Usage

Type C waterproofing is defined in BS 8102: 2009 as 'drained protection'. This is achieved by the incorporation of a drained cavity within the basement structure. The basement wall must provide enough primary resistance to water ingress to ensure the cavity only accepts a controlled amount of water or dampness. Water is collected in the cavity, between the external wall and an internal lining (cavity drain membrane), and diverted to a suitable drainage point.

Visqueen Plaster Base Membrane is used as an internally applied vertical waterproofing drainage layer and forms part of a Visqueen cavity drain system. The membrane is typically used as a vertical waterproofing drainage layer for basements, sub structures and retaining walls within new, existing and retrofit build projects. The membrane can also be used for heritage buildings, conservation projects and vaulted ceiling. The membrane is suitable for use with sand and cement renders and most lightweight and renovating plasters. Plasterboard can be fixed directly to the membrane using the 'Dot and Dab' method.

When used as part of a Visqueen cavity drain system, Visqueen Plaster Base Membrane is suitable for structures requiring Grades 1, 2 or 3 waterproofing protection.

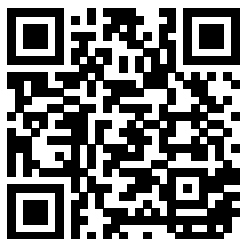
The cavity drain system can also be used in conjunction with Visqueen Type A or Type B waterproofing protection systems where combined protection is required.

Visqueen Plaster Base Membrane should not be used on floors.

### System components

- Visqueen Cavity Drain System Components

### Find your local stockist



## Visqueen Plaster Base Membrane

### Storage and handling

Visqueen Plaster Base Membrane should be stored upright, under cover in a dry clean environment and in its original packaging.

Care should be taken when handling the product in line with current manual handling regulations.

### Preparation

All surfaces should be firm, sound and free from obstructions which would hamper free drainage. Defects that might result in unacceptable water ingress in the wall structure should be repaired before the system is installed. Lime based and gypsum based plasters, wallpaper and any embedded timber must be removed as these materials can deteriorate over time in the presence of moisture.

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. Defective mortar joints should be raked out and made good with suitable mortar mix for the conditions/location. Structural timber elements e.g. frames and lintels should be removed to avoid the potential for dry or wet rot to spread to the brickwork; seek guidance or check with the project structural engineer before removing. Surfaces should be smooth and free from sharp protrusions.

Visqueen Plaster Base Membrane can be cut with a retractable safety knife or robust scissors.

### Installation

The product is designed to be installed by competent specialist contractors experienced with damp-proofing work. Visqueen Plaster Base Membrane should not be used on floors.

Installation of the Visqueen Plaster Base Membrane is ideally commenced at the top of the wall with studs against the wall. Ensure the membrane is installed plumb therefore aiding the installation of the internal lining. The membrane should always be used with the lower sheet placed in front of the higher sheet with a minimum overlap of two studs. Pull the membrane as tightly as possible against the structure to minimise hollow areas behind as these can interfere with the application of subsequent plaster or plasterboard finishes.

Fixings are made through the membrane into holes drilled through the centre of a 4 stud cluster rather than the stud itself. Visqueen Plaster Plugs, to which Visqueen V20 Sealing Rope has been applied around the rim, are inserted into the holes and tapped flush with the membrane. The Visqueen V20 Sealing Rope forms a sealing gasket between the plug and membrane. Alternatively use Visqueen Plaster Plugs and Plaster Plug Seals. Use a minimum of 13 plaster plugs per square metre in a staggered diamond pattern no more than 250mm apart. In some cases, additional fixings may be required in order to produce a stable and tight membrane layer.

#### Laps

Visqueen Plaster Base Membrane is joined by overlapping adjacent sheets by a minimum of 2 studs. Fix Visqueen Plaster Plug with Plaster Plug Seal as close as possible to the edge of the membrane at 150mm centres along the joint. The overlap is then wiped clean of dust and sealed by applying Visqueen Overtape along the joint with equal overlaps onto each sheet of membrane and pressed firmly into place. If for some reason the membrane edges are in tension or are likely to try and pull apart, reinforce the joint with Visqueen CD Corner Strip before applying the Visqueen Overtape.

Ensure the surface of the membrane is clean, dry and free from dust prior to application of the plaster/render.

#### Wall/Floor Junctions

Seal junctions of Visqueen Plaster Base Membrane and Visqueen V20 Floor Membrane initially with Visqueen CD Corner Strip followed by with Visqueen Overtape. The vertical and horizontal membranes should be butt jointed at the base of the wall ensuring that any water collected behind the wall membrane drains unheeded into the void below the floor membrane. Visqueen CD Corner Strip should be folded in half along the length of the junction to create the 90 degree angle. Once correctly aligned, carefully pull off the backing paper and press firmly onto the floor and wall membranes. Apply Visqueen Overtape over the CD Corner Strip.

#### 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.

### Usable temperature range

It is recommended that Visqueen Plaster Base Membrane and system components should be used above 5°C.

### Additional information

For guidance on plaster/render suitability contact Visqueen Technical Services on +44 (0) 333 202 6800.

## Visqueen Plaster Base Membrane

System components include the following:

- \* Visqueen Plaster Plug — 8mm x 70mm plugs, supplied 500 per box. A plastic plug for fixing the membrane to masonry substrates.
- \* Visqueen Plaster Plug Seal — 100 per bag. A pre-formed rubber grommet to form a seal when using Visqueen Plaster Plugs.
- \* Visqueen V20 Sealing Rope — 5m roll, supplied 2 per box. A butyl rubber beading for sealing joints in the membrane and sealing the membrane around pipes and openings, and to form a gasket between the plaster plug and membrane.
- \* Visqueen Overtape — 115mm x 25m roll. A butyl rubber tape backed with non-woven polypropylene, for sealing joints in the membrane, for use around services, penetrations and edge details, and between wall and floor membranes.
- \* Visqueen CD Corner Strip — 150 mm x 10 m roll, supplied 4 per box. A self-adhesive membrane strip for sealing junctions between walls and floors, and for sealing joints at corners.

The information in this datasheet was correct at the time of publication. It is the user's responsibility to obtain the latest version of the datasheet as it is updated on a regular basis. The information contained in the latest datasheet supersedes all previously published editions.

## Visqueen Plaster Base Membrane

Characteristic	Test method	Units	Compliance criteria	Value or statement
Dimensions		m		2 x 20
Drainage capacity (approx.)		l/m <sup>2</sup>		1.84
Mass	EN 1849-2	kg/m <sup>2</sup>	-10%/10%	0.48
Air gap volume		l/m <sup>2</sup>		3.2
Drainage capacity (approx.)		l/m <sup>2</sup>		1.84
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	>	210
Water vapour resistance properties (m)	EN 1931	Sd	-25%/25%	380
Resistance to static loading	EN 12730	kg	>MLV	Pass @ 20kg
Resistance to Impact method A	EN 12691	m	MDV	Pass @ 0.35
Reaction to fire	EN 13501-1		Class	F
Joint strength	EN 12317-1	N	>	45
Tensile properties - MD	EN 12311-2	N/50 mm	>	220
Tensile properties - CD	EN 12311-2	N/50 mm	>	200

### Health and safety information

Please refer to Visqueen Plaster Base Membrane material safety datasheet (MSDS)

## Visqueen Plaster Base Membrane

### About Visqueen

The Visqueen name has long been recognised as one of the leading manufacturers of high quality advanced membrane technologies and design based solutions by specifiers, distributors, builders merchants and contractors throughout the UK and Europe.

For further guidance on the Visqueen services shown below, please refer to the relevant section of the Visqueen website ([www.visqueen.com](http://www.visqueen.com)) or contact Visqueen Technical Services on +44 (0) 333 202 6800 or [enquiries@visqueen.com](mailto:enquiries@visqueen.com)

### Complete Range, Complete Solution



Structural Waterproofing



Gas Protection



Damp Proof Membrane



Tapes



Damp Proof Course



Stormwater



Vapour Control

### Visqueen Technical Support

Visqueen combine an extensive product portfolio with industry leading levels of service and support which includes guidance over the phone, bespoke CAD drawings to help with complex detailing, electronic NBS specifications and access to a dedicated team of highly knowledgeable and experienced field based Technical Support Managers.

Visqueen Technical Support is available to all our customers including architects, specifiers, distributors, builders merchants, contractors and end users. All of our technical team have been awarded the industry recognised qualification Certificated Surveyor in Structural Waterproofing (CSSW).

### Visqueen CPD Seminars

The Visqueen Continuing Professional Development (CPD) Seminars provide up-to-date information on changes within Building Regulations/Building Standards and nationally recognised industry guidance affecting damp proofing, water vapour control, hazardous ground gas protection and below ground structural waterproofing.

The one hour seminars have been produced for design specialists within the construction sector and are delivered by our team of Technical Support Managers.

### Visqueen PI designs and special projects

From initial design to the completed project, Visqueen are with you every step of the way. Whether it be hazardous ground gas protection and/or below ground waterproofing protection employing barrier, structurally integral or drained systems, Visqueen can offer professional indemnity (PI) insurance for bespoke Visqueen design solutions.

Visqueen Technical Support Managers work with all stakeholders to provide cost effective Visqueen solutions offering complete peace of mind throughout the construction phase and beyond.

### Visqueen Training Academy

Based at our manufacturing facility in Derbyshire, the Visqueen Training Academy is available to support Visqueen customers throughout the UK by providing a wide range of both theory and practical skills related training.

Courses include one day product awareness training for our distributors and builders merchants to help them in their day-to-day jobs, through to intensive three day courses giving detailed hands-on training in the practical skills required for safe and robust product installation.