

Visqueen High Performance Damp Proof Membrane

Features & benefits

- BBA certified - third party accreditation
- Supplied centre folded - reduces the risk of cracks in screed and limits creases
- Dual jointing methods - lap joints can be taped or heat welded

Product description

Visqueen High Performance Damp Proof Membrane is a robust co-polymer thermoplastic membrane, 0.5mm thick, yellow in colour and supplied 4m x 12.5m in a center folded roll.

Approvals and standards

- Third party accreditation (BBA 94/3009)
- UKCA UKNI CE to EN 13967:2017
- Visqueen certified with Quality Management System ISO 9001:2015
- Visqueen certified with Occupational Health and Safety System ISO 45001:2018
- Visqueen certified with Environmental Management System ISO 14001:2015

Usage

Visqueen High Performance Damp Proof Membrane is suitable for use in ground floor constructions, positioned above or below the structural floor, to protect buildings against moisture from the ground.

The product is not intended for use where there is a risk of hydrostatic pressure.

System components

- VisqueenPro Double Sided Jointing Tape, 50mm x 10m
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m
- VisqueenPro Single Sided Tape, 75mm x 25m
- Visqueen Top Hat Units
- Visqueen TreadGUARD 1500, 1m x 2m
- Visqueen TreadGUARD 300, 2m x 75m
- Visqueen GR Lap Tape, 150mm x 10m

Storage and handling

Visqueen High Performance Damp Proof Membrane should be stored horizontally, under cover in its original packaging.

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

Preparation

Visqueen High Performance Damp Proof Membrane should be installed on a smooth continuous surface e.g. grouted beam and block floor, a compacted blinding layer e.g. 50mm thick sand blinding, or smooth concrete blinding. The substrate should be free from irregularities such as voids or protrusions.

The membrane can be cut with a sharp retractable safety knife or robust scissors.

When installing the membrane in demanding site conditions, use Visqueen GR Lap Tape in place of Visqueen Pro Single Sided Tape.

Installation

Visqueen High Performance Damp Proof Membrane should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. It should be overlapped by at least 150mm, bonded with Visqueen Pro Double Sided Jointing Tape and sealed with Visqueen Pro Single Sided Tape.

Alternatively lap joints can be heat welded to achieve an effective seal. Welded lap joints can be less than 150mm provided the joint integrity is not compromised.

Damp proofing seals should be formed around all service entry points. Visqueen Preformed Top Hat Units are available for sealing service entry pipe junctions. The base of the top hat and the upstand should be bonded using Visqueen Pro Double Sided Jointing Tape and sealed with Visqueen Pro Single Sided Tape. The upstand should be secured with the supplied jubilee clip. Alternatively Visqueen Pro Detailing Strip can be used to seal service entry pipe detailing.

Forming an effective barrier to damp with the membrane may give rise to complex three-dimensional detailing. To simplify complex or awkward junctions e.g. internal and external corners, Visqueen Preformed Units are available. Alternatively Visqueen Pro Detailing Strip can be used to seal awkward junctions.

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If the membrane is punctured or perforated a patch of the same material should be lapped at least 150mm beyond the limits of the puncture and bonded with Visqueen Pro Double Sided Jointing Tape and sealed with Visqueen Pro Single Sided Tape. Alternatively a patch can be formed using Visqueen Pro Detailing Strip and lapped at least 150mm beyond the extents of the membrane puncture.

The membrane should be covered immediately after installation to prevent damage from following trades, ultraviolet light, etc. Care should be taken to ensure that the membrane is not punctured, stretched or displaced when applying the final floor covering.

When reinforced concrete is laid over the membrane the reinforcements and spacers must be prevented from puncturing the membrane. Where there is potential risk for damage, the membrane should be covered with Visqueen TreadGuard protection, screed, or other approved protection material before positioning the reinforcement.

In areas where high levels of settlement are anticipated, Visqueen Pre Applied Membrane should be considered.

Usable temperature range

It is recommended that Visqueen High Performance Damp Proof Membrane and all associated system components should not be installed below 5°C.

Additional information

To assist build sequencing, Visqueen Zedex CPT DPC is available for damp protection through masonry wall constructions.

For additional detailing information, contact Visqueen Technical Services +44 (0) 333 202 6800.

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.

| Property | Test method | Units | Compliance criteria | Value or Statement |
|---|---------------------------|---------------------|---------------------|--------------------|
| Visible defects | BS EN 1850 -2 | - | Pass/Fail | Pass |
| Length | BS EN 1848-2 | m | -10%/+10% | 12.5 |
| Width | BS EN 1848-2 | m | -2.5%/+2.5% | 4 |
| Straightness | BS EN 1848-2 | - | Pass/Fail | Pass |
| Thickness | BS EN 1849-2 | mm | -12%/+12% | 0.5 |
| Tensile elongation - MD | BS EN 12311 | % | MLV | 400 |
| Tensile elongation - TD | BS EN 12311 | % | MLV | 400 |
| Joint strength | BS EN 12317-2 | N | MLV | 200 |
| Watertightness to 2kPa for 24 hours | BS EN 1928 | - | Pass/Fail | Pass |
| Resistance to impact | BS EN 12691 | mm | MLV | 200 |
| Durability (artificial ageing) | BS EN 1296 and BS EN 1928 | - | Pass/Fail | Pass |
| Durability chemical resistance | BS EN 1847 | - | Pass/Fail | Pass |
| Resistance to tearing (nail shank) CD | BS EN 12310-1 | N | MDV | 300 |
| Resistance to tearing (nail shank) MD | BS EN 12310-1 | N | MDV | 300 |
| Resistance to static loading | BS EN 12730 | kg | MLV | 20 |
| Water vapour resistance | BS EN 1931 | MNs/g | MDV | 1445 |
| Water vapour - permeability density flow rate | BS EN 1931 | g/m ² /d | MDV | 0.1239 |
| Water vapour resistance factor | BS EN 1931 | u | MDV | 615,000 |
| Equivalent air layer thickness | BS EN 1931 | SD in m | MDV | 290 |
| Reaction to fire | BS EN 13501-1 | Class | MDV | F |
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Visqueen High Performance Damp Proof Membrane

Visqueen's CPD Seminars offer insights into Building Regulations, Standards, and industry guidance related to damp proofing, hazardous ground gas protection, and structural waterproofing. These one-hour seminars are tailored for construction design professionals and delivered by our Technical Support Managers. Visit our website to book a free CPD.

Visqueen Contract Design Services

Visqueen Contract Design Services offers a bespoke design service led by our team of Certified Surveyors in Structural Waterproofing (CSSW), providing experienced and specialised waterproofing design expertise for complex projects. We provide comprehensive support throughout the entire project, ensuring that all work meets the requirements of warranty providers and adheres to the highest standards of quality, reliability and current legislation.

Visqueen Training Academy

Based at our Derbyshire facility, the Visqueen Training Academy offers a variety of training programs across the UK. These include one-day product awareness sessions for distributors and builders' merchants, and intensive two-day courses for hands-on product installation training. Contact us for more information.