



- Accredited by the British Board of Agrément (BBA: 94/3009)
- Manufactured using 100% recycled polythene
- Visqueen's low cost Eco entry level brand
- Suitable for use below concrete floors in accordance with clause 11 of CP 102:1973

Description

Visqueen EcoMembrane® is manufactured from 100% recycled polyethylene suitable for use as a Type "A" damp proof membrane as defined by BS EN 13967: 2012. It is black or blue in colour, available in 250µm, 300µm and 500µm thicknesses and in convenient multi folded rolls.

Applications and use

Visqueen EcoMembrane® DPM is suitable for use below concrete floors in accordance with clause 11 of CP 102:1973, where there may be capillary rise of moisture but not where it may be subject to hydrostatic pressure. In such a circumstance, Visqueen Tanking Membranes should be used. Where there is a risk that the ground may be waterlogged, sub-soil drainage in accordance with CP 102 and BS 8102 should be provided.

For jointing adjacent sheets of Visqueen DPM, DPM to DPC and DPC to DPC, Visqueen Jointing System should be used. To complete the approved system use the following components when installing the membrane:

- VisqueenPro Double Sided Jointing Tape
- VisqueenPro Single Sided Jointing Tape
- Visqueen TreadGUARD1500
- Visqueen Zedex CPT DPC
- Visqueen Top Hat Units

IMPORTANT

Based on BBA, BRE and CIRIA guidelines, Visqueen Building Products recommend the use of special gas protection membranes (rather than traditional polythene DPMs) as suitable protection against ground gases. On brownfield sites or where there is ground contamination please seek further advice from Visqueen Building Products .

For high-rise buildings and commercial heavy duty RC slabs please use Visqueen High Performance 500 um centre-folded DPM in conjunction with Visqueen TreadGUARD as a cost-effective solution. Typical building examples of this use would be schools, hospitals, leisure and shopping centres.

Installation

When used in accordance with the BBA certificate and the relevant clauses of CP102: 1973 in concrete floors not subject to hydrostatic pressure, Visqueen Damp Proof Membranes form an effective barrier to the passage of moisture from the ground. The DPM must be continuous with the DPC in the surrounding walls.

The membrane should be installed on a compacted sand blinding layer or smooth concrete float finish. The DPM must be covered by Visqueen TreadGUARD1500 or rigid under slab insulation as soon as possible after installation. Care should be taken to ensure that the membrane is not stretched or displaced when placing the concrete or screed over the membrane.

Jointing Procedures

VISQUEEN



- Always ensure that the membrane is clean, dust free and dry at the time of jointing
- Adjacent sheets must be overlapped by a minimum of 150mm
- Bond together using Visqueen PRO Double Sided Jointing Tape
- The joint should then be sealed using Visqueen PRO Single Sided Jointing Tape.

Where the sheets have been perforated they should be patched with sheets of identical thickness 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 Jointing Tape.

Service Pipe Penetrations

Please use Visqueen Top Hat Pipe Cloaks for any service pipe penetrations. The base of the Visqueen Top Hat Units should be sealed using Visqueen Double Sided PRO Jointing Tape and Visqueen PRO Single Sided Jointing Tape.

Storage and Handling

Visqueen Ecomembrane is classified as non-hazardous when used in accordance with the relevant Code of Practice (CP 102:1973). The product is chemically inert and is not affected by acids and alkalis that may be present in the sub-soils.

The material is not recommended for uses where it will be exposed to long periods of outdoor weathering as exposure to ultraviolet light will embrittle the product. When a Vapour Control Layer is required please refer to Visqueen's Vapour barrier range. We do NOT recommend Ecomembrane for this use.

Weathering will not occur when the membrane is installed in accordance with CP102 1973. Care should be taken to avoid accidental damage when handling the membrane on site.

Visqueen PRO Double Sided Jointing Tape and Visqueen PRO Single Sided Jointing Tape should be kept in a warm, dry place until needed.

Installation is not recommended below 5°C.

Technical Data and CE Mark

Visqueen Ecomembrane complies with the requirements and clauses of EN 13967 - Flexible sheets for waterproofing.

British Board of Agreement performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of conformity of the factory production control. 0836-CPD – 13/F029 applies.



Ecomembrane

CE Mark to EN 13967:2017

Product Data

Product Data

| Characteristic | Test method | Units | Compliance criteria | 0.25mm | 0.3mm | 0.5mm |
|--|---------------------|-------|---------------------|----------|----------|----------|
| Visible defects | EN 1850 -2 | - | Pass/Fail | Pass | Pass | Pass |
| Length | EN 1848-2 | m | -0%/+10% | 25 | 25 | 12.5 |
| Width | EN 1848-2 | m | -2.5%/+2.5% | 4 | 4 | 4 |
| Straightness | EN 1848-2 | - | Pass/Fail | Pass | Pass | Pass |
| Tensile Strength - MD | EN EN12311 | | >MLV | 13 | 13 | 15 |
| Tensile Strength - TD | EN EN12311 | | >MLV | 13 | 13 | 15 |
| Tensile Elongation - MD | EN EN12311 | % | >MLV | 300 | 300 | 300 |
| Tensile Elongation - TD | EN EN12311 | % | >MLV | 300 | 300 | 300 |
| Joint Strength | EN12317-2 | N | >MLV | 136 | 169 | 256 |
| Watertightness 2kPa | EN 1928 | - | Pass/Fail | Pass | Pass | Pass |
| Resistance to impact | EN 12691 | mm | >MLV | 150 | 150 | 200 |
| Durability (artificial ageing) | EN 1296 and EN 1928 | - | Pass/Fail | Pass | Pass | Pass |
| Durability Chemical Resistance | EN 1847 | - | Pass/Fail | Pass | Pass | Pass |
| Resistance to tearing (nail shank) | EN 12310-1 | N | MDV | 140 | 175 | 270 |
| Resistance to tearing (nail shank) | EN 12310-1 | N | MDV | 140 | 175 | 270 |
| Resistance to static loading | EN 12730 | Kg | >MLV | Pass -20 | Pass -20 | Pass -20 |
| Water vapour transmission - resistance | EN 1931 | MNs/g | MDV | 586 | 682 | 1390 |
| Water vapour transmission - permeability | EN 1931 | | MDV | 0.36 | 0.32 | 0.16 |
| Reaction to Fire | EN 13501-1 | Class | MDV | F | F | F |



About Visqueen

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.

Complete Range, Complete Solution

- Structural Waterproofing
- Damp Proof Course
- Damp Proof Membranes
- Gas Protection and Gas Venting
- Vapour Control Layers
- Stormwater Protection

Download Library

- Technical Datasheet
- Standard Details
- Technical Service
- Visqueen Gas Protection Brochure
- NBS Clauses
- BBA Certificates
- Material Safety Datasheets
- Specification Guide

Find your local stockist

Search our directory of Visqueen specification [Specialist Centres](#) to locate your nearest Visqueen Partner.

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

CPD Seminars and Training Academy



Gas Protection CPD

The specification, technical design, and installation of gas protection systems, enabling the sustainable regeneration of brownfield sites.



Structural Waterproofing CPD

The specification, technical design, and installation of structural waterproofing systems for protection against water and damp ingress in both above and below ground projects.



Visqueen Training Academy

We are now able to offer exclusive in depth training opportunities on a wide variety of Visqueen products at our Training Academy.



Visqueen Special Projects

We provide high-level expertise, comprehensive support and experience in all types of waterproofing and gas protection.

VISQUEEN

Part of RPC bpi group

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