

Visqueen EcoMembrane

CE Mark to EN 13967

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- Accredited by the British Board of Agrément (BBA: 94/3009)
- Manufactured using over 100% recycled polyethylene
- Visqueen's low cost Eco entry level brand

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

[Please click here to view typical joint detail](#)

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.



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 Type A
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VISQUEEN
BUILDING PRODUCTS

Heanor Gate, Heanor, Derbyshire DE75 7RG

T: 0845 302 4758 F: 0845 017 8663

enquiries@visqueenbuilding.co.uk

www.visqueenbuilding.co.uk

VISQUEEN BUILDING PRODUCTS IS A TRADING NAME OF BRITISH POLYTHENE LIMITED, COMPANY NUMBER: 350729, REGISTERED OFFICE: ONE LONDON WALL, LONDON, EC2Y 5AB

STRUCTURAL WATERPROOFING
 AND GAS PROTECTION SYSTEMS

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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

- 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.

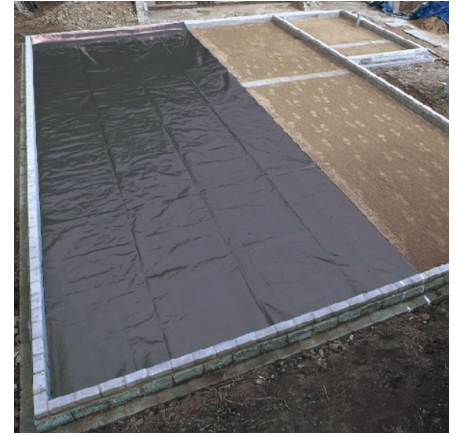
Storage and Handling

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.



SPECIFICATION SUPPORT

The following items are available to view online or to download from www.visqueenbuilding.co.uk

- . Technical Datasheets
- . Typical installation CAD details
- . Health and Safety data

Register online for access to NBS Clauses and for information about our CPD Seminars



TECHNICAL SUPPORT

For advice on detailing or installation call Visqueen Building Products Technical Help Line 0845 302 4758. Pricing & Availability may be obtained from our UK Network of merchant stockists. For details of these call our Sales Office on 0845 302 4758.

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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.



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Product Data						
Characteristic	Test method	Units	Compliance criteria	Value or Statement 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
Thickness	EN 1849-2	mm	-12%/+12%	0.25	0.3	0.5
Mass	EN 1849-2	g/m ²	-12%/+12%	240	265	460
Tensile Strength - MD	EN EN12311	N/mm ²	>MLV	17.46	22.41	16.65
Tensile Strength - CD	EN EN12311	N/mm ²	>MLV	20.88	21.33	17.91
Tensile Elongation - MD	EN EN12311	%	>MLV	333	351	333
Tensile Elongation - CD	EN EN12311	%	>MLV	387	387	342
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	30	30	30
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	165	205	310
Resistance to tearing (nail shank)	EN 12310-1	N	MDV	170	250	310
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

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Water vapour transmission - permeability	EN 1931	$\text{g/m}^2/\text{d}$	MDV	0.36	0.32	0.16
Reaction to Fire	EN 13501-1	Class	MDV	F	F	F

The information given in this datasheet is based on data and knowledge correct at the time of printing. Statements made are of a general nature and are not intended to apply to any use or application outside any referred to in the datasheet. As conditions of usage and installation are beyond our control we do not warrant performance obtained but strongly recommend that our installation guidelines and the relevant British Standard Codes of Practice are adhered to. Please contact us if you are in any doubt as to the suitability of application.