

Visqueen EcoMembrane DPM

Features and benefits

- BBA certified - third party accreditation
- Manufactured using a minimum 90% recycled polyethylene - diverts waste from landfill
- Versatile - range of available thicknesses

Product description

Visqueen EcoMembrane DPM is manufactured from a minimum 90% recycled polyethylene. The product is black or blue in colour and available in three thicknesses: 0.25mm (4m x 25m) , 0.3mm (4m x 25m) and 0.5mm (4m x 12.5m). All rolls are supplied multi folded.

Please note Ecomembrane is NOT accredited for radon applications. Please use either Visqueen Ultimate RadonBlok 600 or Visqueen Radon R400 Membrane.

Approvals and standards

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

Usage

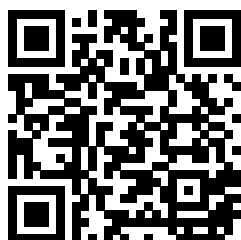
Visqueen EcoMembrane DPM is suitable for use in ground floor constructions, positioned above or below the structural floor, to protect buildings against moisture from the ground.

The product is not intended for use where there is a risk of hydrostatic pressure or accredited for radon applications.

System components

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

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www.visqueen.com or call us on +44 (0) 333 202 6800

Visqueen EcoMembrane DPM

Storage and handling

Visqueen EcoMembrane DPM 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 EcoMembrane DPM 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.

Installation

Visqueen EcoMembrane DPM should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. It should be overlapped by a minimum of 150mm, bonded with Visqueen Pro Double Sided Jointing Tape and sealed with Visqueen Pro Single Sided Tape. In demanding site conditions seal lap joints with Visqueen GR Lap Tape.

Airtight seals should be formed around all service entry points. Visqueen Preformed Top Hat Units should be used for sealing service entry pipes. 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.

Forming an effective barrier to damp may give rise to complex three-dimensional detailing e.g. corners where, it is recommended, Visqueen Preformed units are used and sealed with Visqueen Pro Detailing Strip.

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 puncture.

Long periods of exposure to ultraviolet light will reduce the effectiveness of the membrane. The membrane should be covered by a protective layer 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 a screed or final floor covering. A minimum thickness of 50mm screed is recommended.

When reinforced concrete is to be laid over the membrane the wire reinforcements and spacers must be prevented from puncturing the membrane. Where there is a high risk of potential 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 EcoMembrane DPM and all associated system components should not be installed below 5°C.

Additional information

To assist build sequencing, Visqueen Zedex CPT High Performance DPC is available for damp protection through masonry wall constructions. For internal and external corners Visqueen Zedex Preformed Units should be used see PFU-553.

Please note Ecomembrane is NOT accredited for radon applications. Please use either Visqueen Ultimate RadonBlok600 or Visqueen Radon R400 Membrane. For additional detailing information or for further guidance on the selection of the most appropriate thickness of membrane, contact Visqueen Technical Services +44 (0) 333 202 6800.

The product is recyclable and categorised under LDPE recycling code 4.

Visqueen is part of Berry bpi, the largest European recycler of polyethylene. This product is recyclable and should be segregated on site in accordance with site management procedures for plastic waste. We have 4 recycling sites in the UK where the plastic waste could be recycled and converted back into a second life product. Please contact us to find out more.

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 EcoMembrane DPM

Property	Test method	Units	Compliance criteria	0.25mm	0.3mm	0.5mm
Dimensions				4mx25m	4mx25m	4mx12.5m
Straightness	EN 1848-2	-	Pass/Fail	Pass	Pass	Pass
Tensile strength - MD	EN 12311	N/mm ²	>MLV	13	13	15
Tensile strength - TD	EN 12311	N/mm ²	>MLV	13	13	15
Tensile elongation - MD	EN 12311	%	>MLV	400	400	400
Tensile elongation - TD	EN 12311	%	>MLV	400	400	400
Joint strength	EN 12317-2	N	>MLV	136	169	256
Watertightness 2kPa	EN 1928	-	Pass/Fail	Pass	Pass	Pass
Resistance to impact	EN 12691	mm	>MLV	200	200	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) MD	EN 12310-1	N	MLV	140	175	270
Resistance to tearing (nail shank) TD	EN 12310-1	N	MLV	140	175	270
Length	EN 1848-2	m	-10%/+10%	25	25	12.5
Water vapour transmission - resistance	EN 1931	MNs/g	MDV	586	682	1390
Water vapour transmission - permeability	EN 1931	g/m ² /d	MDV	0.36	0.32	0.16
Visible defects	EN 1850 -2	-	Pass/Fail	Pass	Pass	Pass
Width	EN 1848-2	m	-2.5%/+2.5%	4m	4m	4m
Length	EN 1848-2	m	-10%/+10%	25	25	12.5

Health and safety information

Refer to Visqueen EcoMembrane DPM material safety datasheet (MSDS).

Visqueen EcoMembrane DPM

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) or contact Visqueen Technical Services on +44 (0) 333 202 6800 or 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.