Technical support: +44 (0) 333 202 6800

Date Published: 19/02/2024

Visqueen Vapour Check

Features and benefits

- Versatile application - used within floor, wall and roof constructions
- Large format rolls - rapid installation
- Semi-transparent - stud locations visible through membrane

Product description

Visqueen Vapour Check is a green tinted, semi-transparent polyethylene air and vapour control layer (AVCL). The membrane is supplied in multi folded rolls, 2.45m x 50m and 4m x 50m.

Approvals and standards

- Air leakage tested to BS EN 1026:2016
- UKCA UKNI CE to EN 13984:2013
- 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 Vapour Check is an air and vapour control layer (AVCL) and is used in low condensation risk buildings to reduce the risk of interstitial condensation occurring within the structure as well as improving the airtightness of the building.

The membrane restricts the passage of warm, moist air within the building from permeating into the floor, wall or roof structure.

The membrane is designed to be installed to the warm side of floors, walls and roofs.

System components

- Visqueen FR Vapour Tapes
- Visqueen Single Sided Vapour Tape, 50mm x 15m
- VisqueenPro Single Sided Vapour Edge Tape, 150mm x 15m

Find your local stockist

Heanor Gate Road, Heanor, Derbyshire, DE75 7RG
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Visqueen Vapour Check

Storage and handling

Visqueen Vapour Check 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

When bonding Visqueen Vapour Check to the substrate, e.g. timber or metal stubs, the surface should be smooth, clean, dry and free from dust or sharp protrusions.

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

Installation

Visqueen Vapour Check should be installed in accordance with the recommendations of BS 5250:2021 Management of moisture in buildings - code of practice. The membrane should be installed on the warm side of the insulated structure, with care being taken to ensure that all laps, penetrations and abutments are sealed. The membrane should be continuous in order to ensure optimum air tightness and vapour control performance.

Where the vapour check is to be fixed to timber or metal studs, apply sufficient strips of Visqueen FR Double Sided Vapour Tape to the vertical and horizontal studs, head and sole plates, etc to ensure that the membrane remains in position until the plasterboard or construction board is mechanically fixed in position over the membrane. Progressively peel off the tape release film and apply the membrane ensuring adhesion at the tape locations .e.g. by rollering with a seam roller.

All joints in the membrane should be lapped by a minimum of 75mm and sealed with Visqueen Single Sided Vapour Tape applied equidistant over the lap. To aid formation laps should be made over a solid substrate.

Ensure membrane continuity at the junction of horizontal and vertical substrates. Seal abutments with VisqueenPro Vapour Edge Tape applied centrally over the junction. Failure to suitably connect the membrane to other building elements will severely reduce vapour control performance.

Ensure the membrane is not damaged in service due to residual heat from light fittings. The barrier should not be subjected to gravity forces (unsupported) such as on the underside of roof decks or the underside of floor structures, and should be suitably mechanically secured to ensure that it remains in position during service.

Visqueen air and vapour control layers (AVCLs) require permanent mechanical fixing, normally achieved by over-boarding the AVCL with a plasterboard or other construction board.

Usable temperature range

It is recommended that Visqueen Vapour Check and all associated system components should not be installed below 0°C.

Additional information

Care should be taken to prevent the AVCL from becoming punctured, stretched or displaced when installing plasterboard or other construction board over the installed AVCL.

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.

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Property	Test method	Units	Compliance criteria	Result
Visible defects	EN 1850 -2	-	Pass/Fail	Pass
Length	EN 1848-2	m	-10%/+10%	50
Width	EN 1848-2	m	-2.5%/+2.5%	2.45 or 4
Thickness	EN 1849-2	mm	-12./+12%	0.125
Tensile strength - MD	EN 12311	N/mm^2	MLV	13
Tensile strength - CD	EN 12311	N/mm^2	MLV	13
Tensile elongation - MD	EN 12311	%	MLV	400
Tensile elongation - CD	EN 12311	%	MLV	400
Joint Strength	EN 12317-2	N	MLV	80
Watertightness 2kPa	EN 1928	-	Pass/Fail	Pass
Resistance to impact	EN 12691	mm	MLV	200
Resistance to tearing (nail shank) CD	EN 12310-1	N	MDV	70
Resistance to tearing (nail shank) MD	EN 12310-1	N	MDV	70
Flexibility at low temperature	EN 1109	°C	MDV	-15
Water vapour transmission - resistance	EN 1931	MNs/g	MDV	266
Water vapour transmission - permeability	EN 1931	$g/m^2/d$	MDV	0.52
Water vapour resistance - Sd	EN 1931	m	MDV	51
Air leakage	BS EN 1026:2016	$m^3/h/m^2$ @ ±100 Pa	<5	0

Health and safety information

Refer to the Visqueen Vapour Check safety datasheet (SDS).

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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.

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