



- Suitable for preventing condensation in buildings
- Used within wall and roof applications
- Vapour resistance of 266 MNs/g
- Helps to prevent mould and damp staining

Description

Visqueen Vapour Check is used to omit the risk of interstitial condensation within a structure as well as improving the airtightness of the building. Visqueen Vapour Check restricts the passage of warm, moist air from within the building from permeating into the structure or the roof. Visqueen Vapour Check is manufactured using virgin polyethylene.

Application

The control of condensation to within safe limits is an important consideration in the design and construction of buildings. The occupants of a building and their associated activities produce water vapour which, if unmanaged, can condense within or between building elements; a process referred to as interstitial condensation. This condensation can have serious detrimental effects upon the fabric of the building such as causing the decay of timber elements and corrosion of metal components, and reducing the thermal effectiveness of insulating materials. With the progressive increases in thermal efficiencies of buildings in order to reduce energy usage, any reduction in the effectiveness of the installed insulation can have long term financial implications. The negative effect upon the fabric of the building increases the incidence of moulds and mildews, which in turn can have a harmful effect upon the health of the building occupants.

Visqueen Vapour Check provides a means of protecting the warm side of the thermal insulation incorporated in a building by creating a barrier to the movement of warm, moist air. Visqueen Vapour Check is a loose laid membrane designed for use in roofs, walls and floors subjected to humidity levels less than 50% at 15 degrees Celsius (BS5250: 2002 class 1 condition) e.g. warehouses, industrial units and storage areas.

System Components

To ensure airtightness the following high performance components complete the Visqueen's vapour control system. [Please click here for datasheet and installation instructions](#)

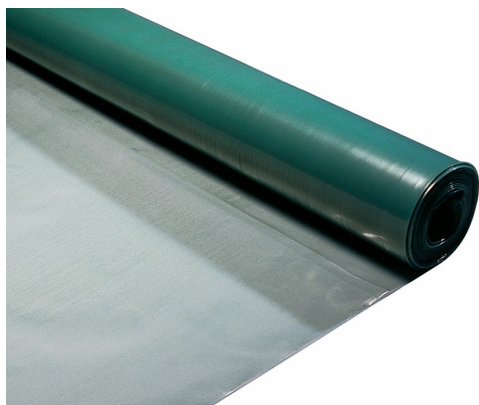
- Visqueen Double Sided Vapour Jointing Tape
- Visqueen Single Sided Vapour Jointing Tape

Fixing

Visqueen Vapour Check should be installed in accordance with the recommendations of BS5250: 2002 'Code of practice for control of condensation in buildings'. Visqueen Vapour Check should be installed on the "warm" side of the insulated structure, with special care being taken to ensure that all seams and holes are sealed effectively - thus rendering the whole structure moisture and vapour proof and improving thermal performance. It is important that Visqueen Vapour Check should be continuous in order to prevent vapour entering the floor, wall or the roof.

Ensure all surfaces are clean, smooth and dry prior to the application of Visqueen Vapour Tapes. Surfaces do not require priming prior to tape application.

[To review our high performance tapes and installation instructions please click here.](#)



Before fixing the VCL membrane to a timber frame, all studs including vertical/horizontal studs, head and sole plate; Visqueen Double Sided Jointing tape must be applied.

For total protection, all joints in the vapour control layer should be lapped by a minimum of 75mm, and sealed with Visqueen Vapour Single Sided Jointing Tape applied equidistant over the lap. To aid formation, laps should be made over a solid substrate.

For protecting and sealing the perimeter, Visqueen Double and Single Sided Jointing Tape should be used. Please see our Visqueen Vapour Tape datasheet for further information

Visqueen vapour tapes are coated with a special cold weather adhesive system which combines superior quick stick at normal temperatures with superior low temperature performance below freezing. The tapes are highly puncture and tear resistant.

Failure to suitably connect the vapour control layer to other building elements will seriously reduce performance.

Precautions

Visqueen Vapour Control Layers are classified as non-hazardous when used in accordance with BS5250: 2002. Care should be taken to avoid accidental damage when handling the membranes on site. Membrane installation is not recommended below 5oC. Visqueen Vapour Control Layers are not intended for use where they will be exposed for long periods of outdoor weathering.

When the Vapour Barrier is to be installed near a light fitting please consult with Building Control or the Architect on the suitability of the product. Material softening point is declared in our technical data.

Technical Data and CE Mark

Visqueen Vapour Check complies with the requirements and clauses of EN 13984 - Flexible sheets for waterproofing - Plastic and rubber vapour control layers - Definitions and characteristics.

Visqueen Vapour Check products are manufactured under a Quality Management System (ISO 9001) - Certificate of Compliance reference no. 4560-3 by Knight International applies.



Vapour Check
 CE Mark to EN 13984

Product Data

Product Data

heading	Characteristic	Test method	Units	Compliance criteria	Value or Statement
	Visible defects	EN 1850 -2	-	Pass/Fail	Pass
	Length	EN 1848-2	m	-0%/+10%	50
	Width	EN 1848-2	m	-2.5%/+2.5%	2.45 or 4
	Thickness	EN 1849-2	mm	-12.5%/+12.5%	0.125
	Mass	EN 1849-2	g/m ²	-12.5%/+12.5%	114
	Tensile Strength - MD	EN EN12311	N/mm ²	>MLV	20
	Tensile Strength - CD	EN EN12311	N/mm ²	>MLV	21
	Tensile Elongation - MD	EN EN12311	%	>MLV	522
	Tensile Elongation - CD	EN EN12311	%	>MLV	598
	Joint Strength	EN12317-2	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	-15oC	MDV	Pass
	Water vapour transmission - resistance	EN 1931	MNs/g	MDV	266
	Water vapour transmission - permeability	EN 1931	g/m ² /d	MDV	0.52



Vapour Check CE Mark to EN 13984

Appendix A

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

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