Visqueen Vapour Check
CE Mark to EN 13984

- **Suitable for preventing condensation in buildings which can lower the performance of insulation**
- **Used within floor, wall and roof applications.**
- **Vapour resistance of 266 MNs/g**
- **Helps to prevent mould and damp staining**

CE

EN 13984
Type A

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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.

VISQUEEN BUILDING PRODUCTS

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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.

Jointing Tapes
Ensure all surfaces are clean, smooth and dry prior to the application of Visqueen Vapour Tape or Visqueen Vapour Edge Tape. Surfaces do not require priming prior to tape application. For total protection, all joints in the vapour control layer should be lapped by a minimum of 75mm, and sealed with Visqueen Vapour Tape applied equidistant over the lap. To aid formation, laps should be made over a solid substrate.

For protecting and sealing the perimeter, Visqueen Vapour Edge Tape should be used. Where perimeter detailing involves sealing to masonry units such as brickwork, blockwork, etc ensure vapour proof continuity by sealing with Visqueen Vapour Edge Tape applied equidistant over the junction.

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.

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 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 (IS0 9001) - Certificate of Compliance reference no. 4560-3 by Knight International applies.

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Product Data				
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/m2	-12.5%/+12.5%	114
Tensile Strength - MD	EN EN12311	N/mm2	>MLV	20
Tensile Strength - CD	EN EN12311	N/mm2	>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/m2/d	MDV	0.52