Technical Datasheet

Visqueen Polyethylene Damp Proof Course

Features & benefits

- Manufactured to British Standard - achieves minimum DPC requirements
- Manufactured using a minimum 85% recycled polyethylene
- Diamond embossed surface - improves mortar adhesion
- Minimum DPC standard - cost effective option

Product description

Visqueen Polyethylene Damp Proof Course is a black, flexible 0.5mm damp proof course suitable for masonry wall constructions. It is supplied in 30m length rolls and the following widths: 100mm, 112.5mm, 150mm, 225mm, 300mm, 337.5mm, 450mm, 600mm, 900mm and 1200mm.

Approvals and standards

- Manufactured to BS 6515:1984
- UKCA CE Mark EN 14909:2012 Type A
- 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 Polyethylene Damp Proof Course is suitable for various masonry applications in accordance with Appendix D of BS 6515:1984.

BS 6515: 1984 Appendix D recommends that the DPC is not suitable for use above lintels in cavity walls i.e. not suitable for use as a cavity tray.

Where relevant, please refer to warranty providers standards to ensure suitability for the application considered e.g. some warranty providers state that damp proof courses manufactured to BS 6515: 1984 are not suitable for use as cavity trays but are suitable for use as a DPC to prevent moisture rising from the ground.

System components

- Visqueen 100mm Double Sided Butyl Tape, 100mm x 15m

Storage and handling

Visqueen Polyethylene Damp Proof Course should be stored vertically and under cover in its original packaging.

Care should be taken when handling the product in line with current manual handling regulations.

Preparation

Visqueen Polyethylene Damp Proof Course can be cut with a sharp retractable safety knife or robust scissors.

Installation

DPCs and DPC cavity trays systems to be designed and installed in accordance with the relevant sections of BS 8215:1991, PD 6697:2019 and BS 8000-3:2020.

When built into a masonry wall construction Visqueen Polyethylene Damp Proof Course should be installed on an even bed of wet mortar, and any perforations in adjacent courses of masonry should be completely filled with mortar. To ensure mortar adhesion, as soon as possible after laying the DPC, lay at least one further course of masonry including a bed of mortar.

If positioned on the sleeper walls below a suspended ground floor e.g. beam and block floor system, the DPC can be dry laid, however all sharp protrusions must be removed from the substrate. The DPC must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

When using a hammer tacker to secure the DPC to an OSB3 substrate of a timber frame construction, minimum 8mm shank austenitic stainless steel staples should be used at minimum 150mm centres.

All DPC to DPC laps should be a minimum of 100mm and bonded with Visqueen 100mm Double Sided Butyl Tape.

Usable temperature range

It is recommended that Visqueen Polyethylene Damp Proof Course and all associated system components should not be installed below 5°C.

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Visqueen Polyethylene Damp Proof Course

Additional information

Where a housing grade DPC or supported cavity tray system is required, use Visqueen Zedex Housing Grade Damp Proof Course.

Where a high performance DPC or cavity tray system is required e.g. for commercial or multi storey constructions, use Visqueen Zedex CPT High Performance Damp Proof Course.

Where a gas DPC or cavity tray system conforming to the specification requirements of BS 8485:2015 + A1:2019 is required, use Visqueen Ultimate Gas Damp Proof Course.

For further information, contact Visqueen Technical Office on 0333 202 6800.

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.

Property	Test method	Units	Compliance criteria	Result
Visible defect	BS EN 1850 -2	-	Pass/Fail	Pass
Length	BS EN 1848-2	m	-1	30
Width	BS EN 1848-2	mm	-1	100 to 1200
Straightness	BS EN 1848-2	-	Pass/Fail	Pass
Thickness (peak to peak)	BS EN 1849-2	mm	-1	0.6
Mass	BS EN 1849-2	g/m²	-1	485
Tensile strength - MD	BS EN 12311-2	MPa	MLV	15
Tensile strength - TD	BS EN 12311-2	MPa	MLV	13
Tensile elongation - MD	BS EN 12311-2	%	MLV	500
Tensile elongation - TD	BS EN 12311-2	%	MLV	500
Watertightness to 2kPa for 24 hours	BS EN 1928	-	Pass/Fail	Pass
Resistance to impact	BS EN 12691	mm	MLV	200
Durability (artificial ageing)	BS EN 1296 and BS EN 1928	-	Pass/Fail	Pass
Durability (alkali)	BS EN 12113-2	-	Pass/Fail	Pass
Resistance to low temperature	BS EN 495-5	°C	MDV	-40
Water vapour transmission - permeability	BS EN 1931	g/m²/d	MDV	0.13
Resistance to static loading	BS EN 12730	kg	>MLV	20
Reaction to fire	BS EN 13501-1	Class	MDV	F

Health and safety information

Refer to the Visqueen Polyethylene Damp Proof Course safety datasheet (SDS).

About Visqueen

Visqueen is a leading provider of construction membrane technologies and design-based solutions for ground gas, structural waterproofing, damp proofing and fire protection.

We offer complete support at every stage of the specification, including the supply chain process. As the UK's principal technical authority, we are best placed to ensure that the principal designer and contractor specify the most technically suited, durable, and competitive solution to guarantee their project is protected for the lifetime of the building.

Visqueen is at the forefront of advanced membrane technology and innovation in the construction industry, earning the trust and loyalty of specifiers throughout the UK and Europe.

For more information, visit visqueen.com or contact our sales office at +44 (0) 333 202 6800 or enquiries@visqueen.com

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Complete Range, Complete Solution

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Visqueen Polyethylene Damp Proof Course



Passive Fire Protection | Gas Protection | Damp Proof Membrane | Air and Vapor Control | Stormwater | Damp Proof Course | Temporary Protection

Visqueen Technical Support

Visqueen offer a comprehensive full nationwide technical support. Our team of CSSW qualified technical support managers provide on site design-based solutions for specifiers, contractors and builders merchants, and will ensure that from design stage to installation the project is fully risk assessed and the specification is approved by all stakeholders.

Our Technical Office, can design, prepare and manage CAD detailing, together with assisting in quantity take offs, while offering advice on technical installations and product selection.

Competency & Design

Visqueen promotes competency in building design by ensuring that its technical team possesses the necessary skills, knowledge, experience, and ethical practices. The company adopts the "golden thread of information," ensuring all project data is digitally secure and accessible throughout a building's lifecycle. This approach aligns with the Building Safety Act and aims to foster accountability and compliance with evolving regulations, providing clients with confidence in the safety and reliability of their projects.

Visqueen CPD Seminars

Visqueen's CPD Seminars offer insights into Building Regulations, Standards, and industry guidance related to damp proofing, hazardous ground gas protection, and structural waterproofing. These one-hour seminars are tailored for construction design professionals and delivered by our Technical Support Managers. Visit our website to book a free CPD.

Visqueen Contract Design Services

Visqueen Contract Design Services offers a bespoke design service led by our team of Certified Surveyors in Structural Waterproofing (CSSW), providing experienced and specialised waterproofing design expertise for complex projects. We provide comprehensive support throughout the entire project, ensuring that all work meets the requirements of warranty providers and adheres to the highest standards of quality, reliability and current legislation.

Visqueen Training Academy

Based at our Derbyshire facility, the Visqueen Training Academy offers a variety of training programs across the UK. These include one-day product awareness sessions for distributors and builders' merchants, and intensive two-day courses for hands-on product installation training. Contact us for more information.

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