

Visqueen Zedex High Bond Damp Proof Course

Features and benefits

- Manufactured in excess of British Standard - achieves minimum DPC requirements
- Gas resistant - part of the Visqueen Gas Barrier system to provide gas protection to BS 8485:2015 + A1:2019
- Multi functional - also acts as a radon resistant damp proof course and can be used in conjunction with the Visqueen Radon membranes to form a complete system for basic radon protection
- Excellent mortar adhesion - ideal for low compressive load applications
- Versatile material - suitable to form complex or awkward detailing on site
- Modified bituminous coating - laps can be tape bonded or heat bonded

Product description

Visqueen Zedex High Bond Damp Proof Course is a heavy duty DPC and cavity tray system manufactured with a polyester reinforced carrier, rubber modified coating and surfaced on both sides with a fine silica sand. It is supplied in 8m length rolls and the following widths: 450mm, 600mm and 1000mm

Approvals and standards

- Manufactured in excess of BS 6398:1983 Type A
- Conforms to the specification requirements of BS 8485:2015 + A1:2019
- Conforms to the specification requirements of NHBC Amber 1 applications
- Conforms to the specification requirements of NHBC Technical Guidance 6.1/05
- Conforms to the specification requirements of BR 211:2015
- CE Mark EN 13969:2004
- Quality Management System ISO 9001:2015
- Occupational Health and Safety System ISO 18001:2007
- Environmental Management System ISO 14001:2015

Usage

Visqueen Zedex High Bond Damp Proof Course is suitable for all masonry applications including residential and commercial up to and including three storey buildings. It can be site formed into a built-in or surface fixed cavity tray to manage the downward passage of water in cavity wall applications. The DPC can also prevent harmful ground gases from entering into the cavity, and is suitable for use as a gas DPC for BS 8485:2015 + A1:2019 gas regimes, NHBC Amber 1 conditions or where radon gas exists. It can also be used on sleeper walls below a ground floor construction e.g. beam and block floor system.

Due to its superior mortar adhesion, the DPC is ideal for use on multi storey buildings where a low imposed load occurs but a high mortar bond is required e.g. parapet walls, beneath masonry coping or capping. The DPC reduces the risk of masonry slippage due to poor mortar adhesion.

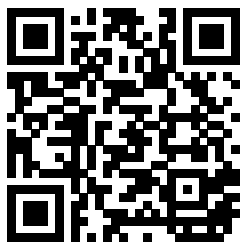
The DPC is also ideal for use in complex cavity tray detailing e.g. around steel columns, wind posts, parapet posts, etc as the product can be heat bonded on site.

In accordance with NHBC Technical Guidance 6.1/05, the DPC is suitable for cavity trays to openings with soldier courses or stone lintels.

System components

- Visqueen Zedex Jointing Tape, 100mm x 15m
- Visqueen HP Tanking Primer, 5L
- Visqueen Zedex DPC Surface Fixing System
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m

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Visqueen Zedex High Bond Damp Proof Course

Storage and handling

Visqueen Zedex High Bond Damp Proof Course should be stored vertically, under cover in its original packaging.

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

Preparation

Visqueen Zedex High Bond Damp Proof Course can be cut with a sharp retractable safety knife.

Where the DPC is being fully bonded to the substrate, the surface should be primed with Visqueen HP Tanking Primer and allowed to dry thoroughly.

Material must be warmed above 5°C prior to unrolling.

Installation

When built into a masonry wall construction Visqueen Zedex High Bond 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. Where the specification requires, the DPC can be fully heat bonded to the primed substrate. The DPC must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

When used as a site formed cavity tray, the DPC can be either built-in to the inner leaf or surface fixed to the cavity face of the inner leaf.

When surface fixing the cavity tray, the substrate should be primed with Visqueen HP Tanking Primer and allowed to dry. The DPC should be bonded to the inner leaf using Visqueen Zedex Jointing Tape and permanently secured using Visqueen Fixing Strip and fixing suitable for the substrate. Visqueen Fixing Pins for both rigid urethane foam insulation boards, and pins for masonry substrates are available.

Complex or awkward junctions e.g. corners, changes of level etc can be effectively sealed on site with the DPC when the lap joints are heat bonded.

All laps should be a minimum of 100mm and either bonded with Visqueen Zedex Jointing Tape or heat bonded with appropriate equipment e.g. propane gas torch.

Usable temperature range

It is recommended that Visqueen Zedex High Bond Damp Proof Course and all associated system components should not be used below 5°C. However due to the heat bonded installation method the DPC is more tolerant in cold weather working.

Additional information

For additional detailing information, contact Visqueen Technical Services +44 (0) 333 202 6800

Visqueen Zedex High Bond Damp Proof Course

Property	Test method	Units	Compliance criteria	Result
Visible defects	EN 1850 -2	-	Pass/Fail	Pass
Water tightness	EN 1928	kPa	MDV	60
Width	EN 1848-2	mm	-5%/+5%	450,600, 1000
Straightness	EN 1848-2	-	Pass/Fail	Pass
Thickness	EN 1848-2	mm	-15%/+15%	3
Mass	EN 1849-1	kg/m ²	-10%/+10%	3.8
Joint strength	EN 12317-2	N	>MLV	350
Watertightness	EN 1928	kPa	MDV	60
Tensile properties	EN 12311-1	N/50mm	MDV	175 185
Elongation at break	EN 12311-1	%	MDV	185 185
Flexibility at low temperatures	EN 1109	-10°C	Pass/Fail	Pass
Durability (artificial ageing)	EN 1296 and EN 1928	-	Pass/Fail	Pass
Durability chemical resistance	EN 1847	-	Pass/Fail	Pass
Resistance to tearing (nail shank) CD	EN 12310-1	N	MDV	175
Resistance to tearing (nail shank) MD	EN 12310-1	N	MDV	165
Resistance to static loading	EN 12730	Kg	>MLV	25
Methane gas permeability	Rilem Report 12	ml/m ² /d	MDV	<1
Reaction to fire	EN 13501-1	Class	MDV	F

Health and safety information

Refer to the Visqueen Zedex High Bond Damp Proof Course material safety datasheet (MSDS).

Visqueen Zedex High Bond Damp Proof Course

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.