Technical Datasheet

Visqueen Zedex High Bond DPC Cavity Tray

Features & benefits

- Manufactured in excess of British Standard 6398
- Sand surfaced product - used where low compressive load applications occur
- Heat bonded 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 DPC and cavity tray system manufactured with a polyester reinforced carrier, rubber modified bituminous 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 NHBC Technical Guidance 6.1/05
- UKCA UKNI CE to EN 13969:2004
- 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 Zedex High Bond Damp Proof Course is suitable for 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. 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 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 solider courses or stone lintels.

System components

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

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

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 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

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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 100mm Double Sided Butyl Tape and permanently secured using Visqueen Fixing Strip and fixing suitable for the substrate. Visqueen Fixing 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 100mm Double Sided Butyl 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 installed 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

The information in this datasheet was correct at the time of publication. As datasheets are reviewed and updated regularly, users should ensure they are referring to the latest version, available on our website. The most recent edition supersedes all previously published versions.
Version Number: 1.0

Property	Test method	Units	Compliance criteria	Result
Visible defects	BS EN 1850 -2	-	Pass/Fail	Pass
Width	BS EN 1848-2	mm	-1	450, 600, 1000
Straightness	BS EN 1848-2	-	Pass/Fail	Pass
Thickness	BS EN 1848-2	mm	-1	3
Mass	BS EN 1849-1	kg/m²	-1	3.8
Joint strength	BS EN 12317-2	N	>MLV	350
Watertightness to 60kPa for 24 hours	BS EN 1928	kPa	MDV	Pass
Tensile properties (CD/MD)	BS EN 12311-1	N/50mm	MDV	175/185
Elongation at break (CD/MD)	BS EN 12311-1	%	MDV	185/185
Flexibility at low temperatures	BS EN 1109	-10°C	Pass/Fail	Pass
Durability (artificial ageing)	BS EN 1296 and BS EN 1928	-	Pass/Fail	Pass
Durability chemical resistance	BS EN 1847	-	Pass/Fail	Pass
Resistance to tearing (nail shank) CD	BS EN 12310-1	N	MDV	175
Resistance to tearing (nail shank) MD	BS EN 12310-1	N	MDV	165
Resistance to static loading	BS EN 12730	kg	>MLV	25
Reaction to fire	BS EN 13501-1	Class	MDV	F

Health and safety information

Refer to the Visqueen Zedex High Bond 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.

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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

Complete Range, Complete Solution



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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