Technical Datasheet

Visqueen Zedex CPT High Performance DPC Cavity Tray

Features & benefits

- BBA certified - third party accreditation
- Assessed in accordance with Technical Requirement R3 - conforms to NHBC requirements and suitable for NHBC sites
- Gas resistant - part of the Visqueen Low Permeability Gas Membrane system to provide gas protection to NHBC Amber 1
- Used in conjunction with the Visqueen Radon membranes to provide radon protection
- Widths from 100mm to 1400mm
- Visqueen Preformed Units available - simplifies complex or awkward detailing

Product description

Visqueen Zedex CPT High Performance Damp Proof Course (DPC) is a black, flexible 0.8mm co-polymer thermoplastic (CPT) damp proof course and cavity tray system. It is manufactured from a mixture of thermoplastic polymers and additives including elastomers. The product does not conform to BS6515:1984.

The DPC is supplied in 20m length rolls and the following widths: 100mm, 112.5mm, 150mm, 225mm, 300mm, 337.5mm, 450mm, 500mm, 600mm, 700mm, 750mm, 800mm, 900mm, 1000mm, 1200mm and 1400mm

Approvals and standards

- Third party accreditation (BBA 94/3059)
- Conforms to the specification requirements of NHBC Amber 1 applications
- Conforms to the specification requirements of BR 211:2023
- UKCA UKNI CE to 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 Zedex CPT High Performance Damp Proof Course is suitable for installation in internal walls to prevent rising damp. The DPC is also suitable for installation in external cavity walls with a masonry outer leaf, including walls with a light gauge steel frame, structural timber frame or masonry inner leaf. The DPC is suitable for residential, commercial and multi storey buildings. The DPC can be site formed into built-in or surface fixed cavity trays 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 NHBC Amber 1 conditions or where radon gas exists. The DPC can also be used on sleeper walls below a ground floor construction e.g. beam and block floor system.

System components

- Visqueen Zedex DPC Surface Fixing System
- Visqueen HP Tanking Primer, 5L
- VisqueenPro Detailing Strip, 300mm x 10m
- Visqueen DPC Joint Support
- Visqueen 100mm Double Sided Butyl Tape, 100mm x 15m

Storage and handling

Visqueen Zedex CPT High Performance 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 CPT High Performance 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 Zedex CPT High Performance 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.

Heanor Gate Road, Heanor, Derbyshire, DE75 7RG
+44 (0) 333 202 6800 I enquiries@visqueen.com I www.visqueen.com

Visqueen Zedex CPT High Performance DPC Cavity Tray

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 100mm Double Sided Butyl Tape and permanently secured using Visqueen Fixing Strip and fixing suitable for the substrate. Visqueen Fixing Pins for the rigid urethane foam insulation of a SFS substrate, and fixing pins for a masonry substrate are available.

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.

To simplify complex or awkward junctions e.g. corners, changes of level, arch windows etc, an extensive range of Visqueen Preformed Units are available.

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

Usable temperature range

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

Additional information

Where a gas DPC conforming to the specification requirements of BS 8485:2015 + A1:2019 is required, use Visqueen Ultimate Gas Damp Proof Course.
For built-in internal and external corners Visqueen Zedex Preformed Units should be used see PFU-553 (90° unit) or PFU-501 (sloping unit)
For surface fixed internal and external corners Visqueen Zedex Preformed Units should be used see PFU-554 (90° unit) or PFU-502 (sloping unit)

Do NOT install the DPC on dry bedded mortar - must be bedded in wet mortar.

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. 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 defects	BS EN 1850 -2	-	Pass/Fail	Pass
Width	BS EN 1848-2	mm	-5%/+5%	100 to 1400
Straightness	BS EN 1848-2	-	Pass/Fail	Pass
Thickness	BS EN 1849-2	micron	-10%/+10%	800
Mass	BS EN 1849-2	g/m²	-10%/+10%	750
Joint strength	BS EN 12317-2	N/50mm	>MLV	220
Watertightness to 2kPa for 24 hours	BS EN 1928	-	Pass/Fail	Pass
Tensile strength (MD)	BS EN 12311-2	MPa	>MLV	17
Tensile strength (TD)	BS EN 12311-2	MPa	>MLV	14
Elongation (MD)	BS EN 12311-2	%	>MLV	500
Elongation (TD)	BS EN 12311-2	%	>MLV	500
Resistance to impact	BS EN 12691	mm	>MLV	350
Resistance to low temperatures	BS EN 495-5	°C	MDV	-40
Flexibility at low temperatures	BS EN 1109	°C	MDV	-15
Durability (artificial ageing)	BS EN 1296 and BS EN 1928	-	Pass/Fail	Pass
Durability chemical resistance	BS EN 1847	-	Pass/Fail	Pass
Durability against alkali - Annex C	BS EN 14909	-	Pass/Fail	Pass

Heanor Gate Road, Heanor, Derbyshire, DE75 7RG
+44 (0) 333 202 6800 I enquiries@visqueen.com I www.visqueen.com

Visqueen Zedex CPT High Performance DPC Cavity Tray

Resistance to tearing (nail shank) MD	BS EN 12310-1	N	>MLV	400
Resistance to tearing (nail shank) TD	BS EN 12310-1	N	MDV	423
Resistance to static loading	BS EN 12730	kg	>MLV	20
Water vapour transmission - resistance	BS EN 1931	MNs/g	MDV	372
Water vapour transmission - permeability	BS EN 1931	g/m²/d	MDV	0.4
Radon permeability	SP Method no. 3873	m²/s	MDV	8.3 x 10⁻¹²
Carbon dioxide permeability	ISO 2782:1995	m/sec/Pa	MDV	1.58 x 10⁻16
Reaction to fire	BS EN 13501-1	Class	MDV	F

Health and safety information

Refer to the Visqueen Zedex CPT High Performance 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

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.

Heanor Gate Road, Heanor, Derbyshire, DE75 7RG
+44 (0) 333 202 6800 I enquiries@visqueen.com I www.visqueen.com

Visqueen Zedex CPT High Performance DPC Cavity Tray

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.

Heanor Gate Road, Heanor, Derbyshire, DE75 7RG
+44 (0) 333 202 6800 I enquiries@visqueen.com I www.visqueen.com