

Visqueen Zedex Non-Combustible Flexi Preformed Units

Features and benefits

- Visqueen Zedex Non-Combustible Flexi Preformed Unit (Flexi PFU) - part of the Visqueen Zedex Non-Combustible DPC system
- Flexi PFU achieves a reaction to fire classification A2 - s1, d0 to BS EN 13501-1:2018 - compliant with UK Building Regulations
- Off-the-shelf surface fixed external and internal 90 degree corner units - reduced lead times
- Off-site factory manufactured - reduces the risk of water ingress
- Flexible 90 degree corner units - provides an allowance for site tolerances
- Corner units designed for approx. 50mm variance in cavity widths - each unit suitable for cavity widths within a specific range

Product description

Visqueen Zedex Non-Combustible Flexi Preformed Units are manufactured from Visqueen Zedex Non-Combustible DPC.

The range consists of surface fixed (face fixed) external and internal 90 degree corner units with a 150mm vertical rise and 100mm vertical fixing flange. The innovative design allows each unit to be suitable for an approximate 50mm cavity width variance when incorporated into a brickwork outer leaf.

External and internal surface fixed units are available for the following cavity width ranges: 40-100mm, 100-150mm, 150-200mm, 200-250mm, and 250-300mm. NB. Cavity width is measured from the cavity face of the inner leaf e.g. weather defence board, to the cavity face of the masonry outer leaf.

The units are rolled up, individually wrapped and supplied 4 per box.

Approvals and standards

- Visqueen Zedex Non-Combustible DPC awarded BDA Agreement Certificate No. BAW-21-203-P-A-UK
- Flexi PFU achieves a reaction to fire classification A2 - s1, d0 to BS EN 13501-1:2018
- Flexi PFU shear strength tested to BS EN 1052-4:2000 Methods of test for masonry - Part 4.
- Flexi PFU flexural mortar bond strength tested to DD 86-1:1983
- 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 Non-Combustible Flexi Preformed Units are designed for detailing complicated cavity tray junctions in cavity wall constructions including those with a structural framing system inner leaf and a masonry outer leaf, in residential, commercial and multi-storey buildings.

In conjunction with Visqueen Zedex Non-Combustible DPC and associated system components, the units are used where a DPC cavity tray is required that achieves a minimum reaction to fire classification A2 - s1, d0 to BS EN 13501-1:2018.

Visqueen Zedex Non-Combustible Flexi Preformed Units are specifically designed for use with a surface fixed, sloping Visqueen Zedex Non-Combustible DPC cavity tray with a 150mm vertical rise between the outer and the inner leaf. This cavity tray profile is shown in Visqueen drawing DPC-ZXNC-03. The units are designed to fit a 90 degree masonry corner.

NB Visqueen Zedex Non-Combustible Flexi Preformed Units are not specifically designed for use with:

- an L shaped cavity tray profile
- a cavity tray profile that incorporates a horizontal insulation ledge as shown in Visqueen drawing DPC-ZXNC-02
- a built in cavity tray
- a cavity tray vertical rise other than 150mm
- masonry corners greater or less than 90 degrees

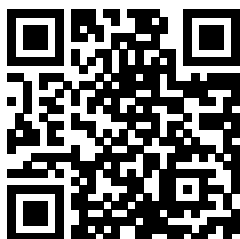
Care should be taken by the Designer to ensure suitability for applications other than those stated above. Visqueen Zedex Non-Combustible Flexi Preformed Units should be approved by all stakeholders prior to use.

System components

- Visqueen Zedex Mastic, 380ml
- Visqueen Non-Combustible Fixing Strip, 25mm x 1240mm
- Visqueen DPC Joint Support

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Visqueen Zedex Non-Combustible Flexi Preformed Units



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Storage and handling

Visqueen Zedex Non-Combustible Flexi Preformed Units should be stored under cover in their original packaging.

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

Preparation

Visqueen Zedex Non-Combustible Flexi Preformed Units can be cut with a sharp retractable safety knife or robust scissors.

Ensure that the unit is suitable for the external wall cavity width; the cavity width is measured from the cavity face of the inner leaf e.g. weather defence board, to the cavity face of the masonry outer leaf.

Installation

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

Visqueen Zedex Non-Combustible Flexi Preformed Units must be installed with the red surface facing upwards or outwards i.e. facing towards the direction of moisture penetration. NB During installation, internal corner units must be manipulated so that the red surface faces upwards or outwards.

When built into the outer leaf of a masonry wall construction the preformed units should be installed on an even bed of fresh 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 preformed units, lay at least one further course of masonry including a fresh bed of mortar. The preformed units must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

The preformed units are designed to be surface fixed (face fixed) to the inner leaf and allow for a 150mm vertical rise in the cavity tray profile. When surface fixing the preformed units, as per the main run of cavity tray, they should be sealed to the inner leaf using Visqueen Zedex Mastic and permanently secured using Visqueen Non-Combustible Fixing Strip and stainless steel fixings suitable for the substrate. A typical cavity tray section is shown in Visqueen drawing DPC-ZXNC-03.

NB The design of the preformed units do not allow for a horizontal insulation ledge as shown in Visqueen drawing DPC-ZXNC-02.

All DPC to Visqueen Non-Combustible Flexi Preformed Unit laps should be 100mm and sealed with Visqueen Zedex Mastic (refer to Visqueen Zedex Mastic datasheet). To ensure long term lap integrity, all laps formed on site should be fully supported and the support should remain in position. Unless formed over a permanent rigid supporting substrate, all laps should be formed with a Visqueen DPC Joint Support positioned directly beneath the lap.

Minimum spacing between DPC to DPC laps should be 900mm, i.e. adjacent cavity tray laps to be spaced at least 900mm apart. Where such laps occur at less than 900mm, back to back stop ends should be considered.

When Visqueen Non-Combustible Flexi Preformed Units are used for cavity widths less than the maximum designed for the unit, any excess DPC material protruding from the outer leaf should be carefully removed with a sharp retractable safety knife.

Usable temperature range

It is recommended that Visqueen Zedex Non-Combustible Flexi Preformed Units and associated system components should not be installed below 5°C.

Additional information

For surface fixing to structural framing systems see Visqueen drawing DPC-ZXNC-03.

See Visqueen drawings DPC-ZXNC-23 and DPC-ZXNC-24 for in situ external and internal corner drawings.

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.

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Visqueen Zedex Non-Combustible Preformed Unit reference	Recommended minimum suitable cavity width	Recommended maximum suitable cavity width
External 40-100	40mm	100mm
External 100-150	100mm	150mm
External 150-200	150mm	200mm
External 200-250	200mm	250mm
External 250-300	250mm	300mm
Internal 40-100	40mm	100mm
Internal 100-150	100mm	150mm
Internal 150-200	150mm	200mm
Internal 200-250	200mm	250mm
Internal 250-300	250mm	300mm

Health and safety information

Refer to the Visqueen Zedex Non-Combustible Flexi Preformed Units safety datasheet (SDS).

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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

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Membrane



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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.