Technical support: +44 (0) 333 202 6800

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Visqueen Preformed Units

Features and benefits

- Visqueen Preformed Units - part of the Visqueen Zedex and Visqueen Ultimate Gas DPC systems
- Off-site factory manufactured - reduces the risk of water ingress
- Three dimensional shapes - simplifies detailing at complicated junctions
- Flexible materials - provides an allowance for site tolerances
- Extensive range - suitable for both built-in and surface fixed cavity tray applications
- Versatile - suitable for both damp and gas proofing applications
- Multi-functional - compatible with all Visqueen damp and gas proof courses and membranes

Product description

Visqueen Preformed Units (PFUs) are factory manufactured three dimensional shapes. The units are formed from either Visqueen Zedex CPT High Performance DPC (Zedex Units) or Visqueen Ultimate Gas DPC (Ultimate Units).

Approvals and standards

- Visqueen Zedex CPT High Performance DPC awarded BBA Agrement Certificate No. 94/3059
- Visqueen Zedex CPT High Performance DPC UKCA UKNI CE Mark EN 14909:2012 Type A
- Zedex Units conforms to the specification requirements of NHBC Amber 1 applications
- Zedex Units conforms to the specification requirements of BR 211:2015
- Visqueen Ultimate Gas DPC UKCA UKNI CE Mark EN 14909:2012 Type A
- Ultimate Units conforms to the specification requirements of NHBC Amber 2 applications
- Ultimate Units comply with testing regime of CIRIA C748:2014
- Ultimate Units comply with the methane gas transmission rate, mass per unit area and thickness requirements of BS 8485:2015 + A1:2019
- 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 Preformed Units are designed for detailing complicated cavity tray junctions in masonry cavity wall constructions including walls with a light gauge steel frame, structural timber frame or masonry inner leaf.

The units can also be used for complex junctions associated with membrane applications within floor constructions, e.g. door thresholds and corners etc. The units can also be used to prevent harmful ground gases from entering into the building at the above junctions.

Visqueen Preformed Units should be approved by all stakeholders prior to use.

System components

- Visqueen 100mm Double Sided Butyl Tape, 100mm x 15m
- Visqueen Zedex DPC Surface Fixing System
- Visqueen DPC Joint Support

Find your local stockist

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

Visqueen Preformed Units

Storage and handling

Visqueen 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

Where necessary Visqueen Preformed Units should be cut with a sharp retractable safety knife or robust scissors.

Installation

When used for sealing complicated junctions in cavity tray applications, VIsqueen Preformed Units should be installed prior to the main run of the cavity tray material, and the lap joints bonded with Visqueen 100mm Double Sided Butyl Tape.

Where the preformed unit is required to be surface fixed to the inner leaf of a cavity wall construction the vertical portion of the unit should be bonded to the inner leaf with Visqueen 100mm Double Sided Butyl Tape, the substrate having been previously primed with Visqueen High Performance Tanking Primer and allowed to dry.

Visqueen Zedex DPC Fixing Strip should be used to secure the upper edge of the unit using appropriate Visqueen Fixing Pins (or alternative approved) to provide a permanent mechanical fix.

To ensure long term integrity of the cavity tray lap, all preformed unit to DPC cavity tray 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.

When used for sealing complex junctions in floor membrane applications, VIsqueen Preformed Units should be bonded and sealed with the same taping system as used for the membrane lap joints.

Usable temperature range

It is recommended that Visqueen Preformed Units and all associated system components should not be installed below 5°C.

Additional information

Regarding cavity tray applications, for built-in internal and external corners see PFU-553 (90° unit) or PFU-501 (sloping unit)
For surface fixed internal and external corners see PFU-554 (90° unit) or PFU-502 (sloping unit)
For membrane corners see PFU-554 (box unit) or PFU-553 (inner leaf unit)
For door thresholds see PFU-206
For information on other available Visqueen Preformed Units, 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.

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Visqueen Preformed Units

Property	Test method	Units	Compliance criteria	Zedex Unit results	Ultimate Unit results
Thickness	EN 1849-2	mm	-10%/+10%	0.8	0.5
Weight	EN 1849-2	g/m^2	-10%/+10%	750	470
Watertightness 2kPa	EN 1928	-	Pass/Fail	Pass	Pass
Resistance to low temperatures	EN 495-5	°C	MDV	-40	-40
Flexibility at temperatures	EN 1109	°C	MDV	-15	-15
Foldability	EN 495-5	°C	MDV	-40	-40
Durability (artificial ageing)	EN 1296 and EN 1928	-	Pass/Fail	Pass	Pass
Durability chemical resistance	EN 1847	-	Pass/Fail	Pass	Pass
Durability against alkali - Annex C	EN 14909	-	Pass/Fail	Pass	Pass
Resistance to static loading	EN 12730	kg	MLV	20	20
Water vapour transmission - resistance	EN 1931	MNs/g	MDV	372	1034
Water vapour transmission - permeability	EN 1931	$g/m^2/d$	MDV	0.4	0.13
Radon permeability	SP Method no. 3873	m^2/s	MDV	8.30×10^{-12}	-
Carbon dioxide permeability	ISO 2782:1995	$m^2/sec/Pa$	MDV	1.58×10^{-16}	-
Methane permeability	ISO 15105-1	$ml/m^2/d/atm$	<40	-	1.3
Benzene, toluene, ethyl benzene, m p xylene (BTEX)	ISO 15105-2	$ml/m^2/d$	MDV	-	<0.11
Reaction to Fire	EN 13501-1	Class	MDV	F	F

Health and safety information

Refer to the Visqueen Preformed Units safety datasheet (SDS).

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Visqueen Preformed Units

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.

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