

Visqueen Preformed Units

Features and benefits

- Factory manufactured - reduces the risk of water ingress
- Three dimensional shapes - simplifies complex detailing
- Flexible materials - easy to install on site
- Extensive range - ideal for built-in and surface fixed cavity tray applications
- Versatile - suitable for both damp and gas proofing applications
- BBA/BDA certified - third party certifications
- Cost effective - speeds up installation on site
- 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 HC Blok (Ultimate Units).

Approvals and standards

- Third party accreditation (BBA 94/3059) for Zedex Units
- Third party accreditation (BDA BAF-18-051-P-A-UK) for Ultimate Units
- Conforms to the specification requirements of NHBC Amber 1 applications (Zedex Units)
- Conforms to the specification requirements of NHBC Amber 2 applications (Ultimate Units)
- Conforms to the specification requirements of BR 211:2015 (Zedex Units)
- CE Mark EN 14909:2012 (Zedex Units)
- CE Mark EN 13967:2017 (Ultimate Units)
- Quality Management System ISO 9001:2015
- Occupational Health and Safety System ISO 45001:2018
- Environmental Management System ISO 14001:2015

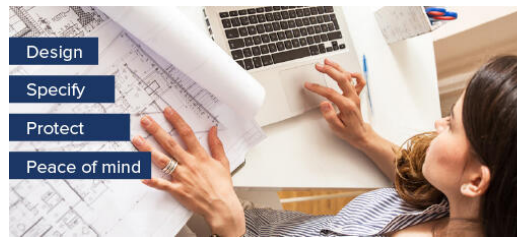
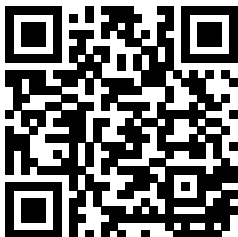
Usage

Visqueen Preformed Units are suitable for detailing complex or awkward junctions in masonry wall applications including residential, commercial and multi storey buildings. 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.

System components

- Visqueen Zedex Jointing Tape, 100mm x 15m
- Visqueen Zedex DPC Surface Fixing System

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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 complex 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 Zedex DPC Jointing Tape.

Where the Visqueen 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 Zedex DPC Jointing 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.

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

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 x 10 ⁻¹²	-
Carbon dioxide permeability	ISO 2782:1995	m ² /sec/Pa	MDV	1.58 x 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 material safety datasheet (MSDS).

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.