

Visqueen Non-Combustible Preformed Units

Classified by the European Commission as class A1 rated

Features and benefits

- Visqueen Non-Combustible Preformed Unit (Non-Combustible PFU) - part of the Visqueen Zedex Non-Combustible DPC system
- Non-Combustible PFU classified by the European Commission as class A1 rated - compliant with UK Building Regulations
- Range of rigid non-combustible units - provides cavity tray design solutions at complicated junctions
- Off-site factory manufactured - reduces the risk of water ingress
- Three dimensional shapes - simplifies complex detailing
- Extensive range - suitable for a variety of complicated cavity tray junctions such as corners or changes in level
- Versatile - available for different surface fixed cavity tray profiles

Product description

Visqueen Non-Combustible Preformed Units are factory manufactured, made to order, three dimensional shapes. The units are manufactured as standard from stainless steel to BS EN 10088 grade 1.4301 (BS 1449 grade 304). See Additional information section on page 2 regarding availability of other stainless steel grades.

Approvals and standards

- Visqueen Zedex Non-Combustible DPC awarded BDA Agreement Certificate No. BAW-21-203-P-A-UK
- Non-Combustible PFU classified by the European Commission as class A1 rated
- 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 Non-Combustible 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.

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

To simplify complicated or awkward cavity tray junctions e.g. corners, steel columns, changes of level, etc., an extensive range of Visqueen Non-Combustible Preformed Units (rigid units manufactured from stainless steel) and Visqueen Zedex Non-Combustible Flexi Preformed Units (flexible units manufactured from Zedex Non-Combustible DPC) are available. Either type of unit can be used or they can be used in combination on the same project e.g. Flexi units at some corners and stainless steel units at others. Final decision on what is installed will lie with the stakeholders e.g. installer and design team.

System components

- Visqueen Zedex Mastic, 380ml
- Visqueen Non-Combustible Fixing Strip

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Storage and handling

Visqueen Non-Combustible 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.

Visqueen Non-Combustible Preformed Units are produced from sheared stainless steel plate which may present sharp edges/corners. Suitable personal protective equipment should be worn at all times during handling and installation.

Preparation

Ensure the Visqueen Non-Combustible Preformed Units match the required cavity tray profile.

Installation

When used for sealing complicated junctions in cavity tray applications, Visqueen Non-Combustible Preformed Units should be installed prior to the main run of the cavity tray material.

All DPC to Preformed Unit laps should be a minimum of 100mm and sealed with Visqueen Zedex Mastic (refer to Visqueen Zedex Mastic datasheet).

Where the Preformed Unit is surface fixed to the inner leaf of a cavity wall construction, the vertical portion of the unit should be sealed to the inner leaf with Visqueen Zedex Mastic. Visqueen Non-Combustible Fixing Strip should be used to secure the upper edge of the unit to provide a permanent mechanical fix using stainless steel fixings appropriate for the substrate.

Usable temperature range

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

Additional information

Generally where stainless steel components are embedded in the outer leaf of a masonry façade, BS EN 10088 grade 1.4301 (BS 1449 grade 304) is the most appropriate choice and as such Visqueen Non-Combustible Preformed Units are manufactured from this grade as standard. However, in certain circumstances a more durable grade is often specified. In coastal environments where airborne salts are present, BS EN 10088 grade 1.4401 (BS 1449 grade 316) is often the preferred choice. The final decision of which stainless steel grade to select remains the responsibility of the project Structural Engineer. If a BS EN 10088 grade other than 1.4301 (BS 1449 grade 304) is required, please advise prior to requesting a quotation.

As standard, Preformed Units are supplied without fixing holes. If fixing holes are required, please advise prior to requesting a quotation.

For further 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.



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Property	Results
Fire classification	Class A1

Health and safety information

Refer to the Visqueen Non-Combustible Preformed Units safety datasheets (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

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 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 two day courses giving detailed hands-on training in the practical skills required for safe and robust product installation.