Technical Datasheet

Visqueen Non-Combustible Preformed Units

Features & 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 Agrement Certifcate 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

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 fully sealed with Visqueen Zedex Mastic (refer to Visqueen Zedex Mastic datasheet).

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Visqueen Non-Combustible Preformed Units

When surface fixing the preformed unit, the vertical flange of the unit should be permanently secured using stainless steel fixings suitable 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, Visqueen Non-Combustible 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.

Property	Results
Fire classification	Class A1

Health and safety information

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

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Visqueen Non-Combustible Preformed Units



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.

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.

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