

Visqueen Ultimate Top Hat Units

Features & benefits

- Provides a gas and damp proof seal around service pipe penetrations
- Suitable for use with Visqueen damp proof membranes, gas and hydrocarbon protection systems

Product description

Visqueen Ultimate Top Hat Units are made from Visqueen Ultimate HC BLOK and are supplied with a metal jubilee clip.

The units are available in the following standard sizes: 110mm, 135mm and 160mm. These sizes relate to the external diameter of the pipe.

Non standard sizes are available on request.

Approvals and standards

- Third party certification with Visqueen Ultimate Membranes and Visqueen Gas Membranes
- 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 Ultimate Top Hat Units are used in conjunction with all Visqueen damp proof membranes, gas and hydrocarbon protection systems to provide continuity of protection at service pipe penetrations.

Storage and handling

Visqueen Ultimate Top Hats 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

Ensure all surfaces are clean, dry and free from contamination such as dust or sand. Avoid areas of unsupported jointing.

Installation

Cut a circular hole in the Visqueen membrane as close as possible to the pipe. Bond the Visqueen Ultimate Top Hat Unit to both the pipe and the membrane with Visqueen double sided tape appropriate for the membrane specification. Seal the top hat laps to the pipe and membrane with the Visqueen single sided tape appropriate for the membrane specification. Alternatively, the skirt of the top hat unit can be heat welded to the membrane. Consult the project specification to ensure the correct method of lap joint formation for the project is followed (welded or taped).

Complete the installation by fixing the supplied jubilee clip around the top hat upstand.

Usable temperature range

it is recommended that Visqueen Ultimate Top Hat Units and associated system components should not be installed below 5°C.

Additional information

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	Test method	Units	Criteria	Result
Colour				Gold/White
Standard sizes *		mm		110, 135, 160
* Non standard sizes available on request				
BS8485:2015 + A1:2019 - Methane testing	Test method	Units	Criteria	Result

Visqueen Ultimate Top Hat Units

Methane permeability	ISO 15105-1	ml/m ² /d/ atm	<40	1.3
C748 - Permeation vapour tests - 100% concentration		Criteria	ml/m ² /d	mg/m ² /d
benzene	ISO 15105-2	MDV	0.08	70
toluene	ISO 15105-2	MDV	0.09	78.5
ethyl benzene	ISO 15105-2	MDV	0.11	93.8
m,p xylene	ISO 15105-2	MDV	0.01	6.7
hexane	ISO 15105-2	MDV	gas	2.6
vinyl chloride	ISO 15105-2	MDV	0	6.4
tetrachloroethene (PCE)	ISO 15105-2	MDV	0	3.2
trichloroethene (TCE)	ISO 15105-2	MDV	solid	0.3
naphthalene	ISO 15105-2	MDV	0.03	19.7
C748 - Chemical immersion testing		weight %	Thickness %	Tensiles/elongation
Pass is achieved if the aged membrane is within 25% of the fresh sample				
Benzene	BS EN 14414	Pass	Pass	Pass
Toluene	BS EN 14414	Pass	Pass	Pass
Ethyl benzene	BS EN 14414	Pass	Pass	Pass
(m,p, and o) xylenes	BS EN 14414	Pass	Pass	Pass
Hexane	BS EN 14414	Pass	Pass	Pass
Vinyl chloride	BS EN 14414	Pass	Pass	Pass
Tetrachloroethene	BS EN 14414	Pass	Pass	Pass
Trichloroethene	BS EN 14414	Pass	Pass	Pass
Naphthalene	BS EN 14414	Pass	Pass	Pass

Health and safety information

Refer to Visqueen Ultimate Top Hat Units safety datasheet (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](https://www.visqueen.com) or contact our sales office at [+44 \(0\) 333 202 6800](tel:+4403332026800) or enquiries@visqueen.com

Complete Range, Complete Solution

Visqueen Ultimate Top Hat 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.