Technical support: +44 (0) 333 202 6800

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Visqueen Ultimate Top Hat Units

Features and benefits

- Effective solution - provides a gas and damp proof seal around service pipe penetrations
- Rapid installation - eliminates complex detailing
- Versatile - 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
- Quality Management System ISO 9001:2015
- Occupational Health and Safety System ISO 18001:2007
- 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.

System components

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 Ultimate Top Hat Units

Storage and handling

Visqueen Ultimate Top Hats should be stored under cover in their original packaging.

To aid installation, store in warm conditions (above 5°C) prior to use.

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 the 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.

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

When used in conjunction with Visqueen Ultimate HC BLOK membrane, the skirt of the top hat unit can be heat welded to the membrane.

Usable temperature range

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

Additional information

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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	
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	mg/m^2/hr
benzene	ISO 15105-2	MDV	0.08	70	2.92
toluene	ISO 15105-2	MDV	0.09	78.5	3.27
ethyl benzene	ISO 15105-2	MDV	0.11	93.8	3.91
m,p xylene	ISO 15105-2	MDV	0.01	6.7	0.28
hexane	ISO 15105-2	MDV	gas	2.6	0.11
vinyl chloride	ISO 15105-2	MDV	0	6.4	0.27
tetrachloroethene (PCE)	ISO 15105-2	MDV	0	3.2	0.13
trichloroethene (TCE)	ISO 15105-2	MDV	solid	0.3	0.01
naphthalene	ISO 15105-2	MDV	0.03	19.7	0.82
C748 - Chemical immersion testing		weight %	Thickness %	Tensiles/ elongation	
Pass is achieved if the aged membrane is within 25% of the fresh sample					
Benzene	EN14414	Pass	Pass	Pass	
Toluene	EN14414	Pass	Pass	Pass	
Ethyl benzene	EN14414	Pass	Pass	Pass	
(m,p, and o) xyxlenes	EN14414	Pass	Pass	Pass	
Hexane	EN14414	Pass	Pass	Pass	
Vinyl chloride	EN14414	Pass	Pass	Pass	
Tetrachlororthene	EN14414	Pass	Pass	Pass	
Trichloroethene	EN14414	Pass	Pass	Pass	
Naphthalene	EN14414	Pass	Pass	Pass	

Health and safety information

Refer to Visqueen Ultimate Top Hat Units material safety datasheet (MSDS).

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Visqueen Ultimate Top Hat 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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