

Visqueen Ultimate Top Hat Units

Features and benefits

- Proven solution - provides a gas tight seal around service pipe entries
- Flexible - quick and easy to fit
- Ideal for drainage and service pipes

Product description

Visqueen Ultimate Top Hat Units are made from polyethylene consisting of a gas barrier core.

Available in standard sizes such as 110mm and 160mm. Can be made to a size that suits individual project requirements.

The units are supplied with metal jubilee clips.

Approvals and standards

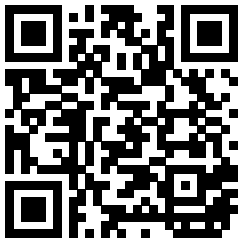
- Third party certification - BDA certified with Visqueen Ultimate and gas membranes
- Quality Management System ISO 9001:2015
- Occupational Health and Safety System ISO 18001:2007
- Environmental Management System ISO 14001:2015

Usage

The Visqueen Ultimate Top Hat Unit is suitable for all applications where a gas, VOC and damp proof seals are required to drainage and service pipes.

System components

Find your local stockist



Visqueen Ultimate Top Hat Units

Storage and handling

Store the Visqueen Ultimate Top Hats in warm, dry and clean environment in its current packaging. The units should not be exposed to long periods of ultraviolet light. In very cold weather, prior to use ensure that the material is stored in warm conditions above 5°C.

Preparation

Ensure all surfaces are clean, dry and free from contamination such as dust or sand. Ensure the surface and working area is not water logged. Avoid areas of unsupported jointing.

Installation

Cut a circular hole in the membrane as close as possible to the pipe, or pipe socket. Ensure that pipe penetrations do not occur at joints in the membrane. With the pipe in position, slide the Visqueen Ultimate Top Hat Unit over the pipe. Mark the extent of the square horizontal skirt over the membrane and also mark the line of the top of the Visqueen Ultimate Top Hat Unit around the pipe. Raise the Visqueen Ultimate Top Hat unit and cut four lengths of Visqueen Ultimate Double Sided Tape, one for each side of the horizontal skirt, allowing for an overlap at each corner. Release the quick release paper from each of the four lengths of double-sided tape. Lower the Visqueen Ultimate Top Hat Unit, ensuring that the free end of the release paper around the pipe is reachable, and seal the horizontal skirt to the membrane. Seal the junction of the horizontal skirt and the membrane with Visqueen Lap Tape. Seal around the collar of the Visqueen Ultimate Top Hat Unit with Visqueen Lap Tape ensuring that the tape seals around the collar and pipe to create an airtight seal. Complete the install with a jubilee clip around the collar of the pipe.

Usable temperature range

It is recommended that Visqueen Ultimate Top Hat and other system components should be used above 5°C.

Additional information

In some applications the Visqueen Ultimate Top Hat units can be site welded to the membrane.

Visqueen Ultimate Top Hat Units

Property	Test method	Units	Criteria	Result	
Colour				Gold/White	
Weight		kilos		49	
Drimensions		mm		110, 160*	
* bespoke sizes avaialable on request			-0/+10%		
BS8485:2015 - 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/m2/ 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

Please refer to material safety datasheet.

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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 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.

