

Visqueen Adjustable Z Vent and Airbrick

Features and benefits

- Functional solution for exhausting ground gases from underfloor voids

Product description

Visqueen Airbricks are manufactured from UV stabilized polypropylene and are available in Terracotta and Black. The airbrick replaces an external masonry brick. It incorporates a front mounted louvered grill to permit airflow while blocking out wind driven rain and prohibiting large insects from gaining access.

Visqueen Adjustable Z Vents are manufactured from black polypropylene and are designed to provide a clear airflow passage to the underfloor void.

Visqueen Extension Sleeves are manufactured from black polypropylene and are designed to extend the vents both vertically and horizontally.

The airbrick, vent and extension sleeve are sold separately.

When combined with the vent (with or without the extension sleeve), each airbrick provides a free air flow capacity of 6450mm².

Approvals and standards

- 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 Adjustable Z Vent and Airbrick system is used within external masonry cavity wall constructions to provide a clear airflow passage to the void beneath precast suspended segmental ground floors e.g. beam and block. The system is used to achieve a passive subfloor ventilation system in accordance with BS8485:2015 + A1:2019, effectively diluting any hazardous ground gases accumulating in the underfloor void.

The telescopic feature enables the vent to adjust vertically within the cavity to between three and five brick courses (225mm and 375mm).

The airbrick replaces individual masonry bricks in the external leaf.

The system includes a Visqueen Extension Sleeve which increases the adjustment of the vertical portion of the vent by a further two brick courses (150mm). Additional sleeves can be used to extend the coursing indefinitely. The extension sleeves can also be used to extend the horizontal portion of the vent e.g. for wider cavity applications.

System components

- Visqueen Venting Pipework and Connectors

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Storage and handling

Visqueen Adjustable Z Vents and Airbricks should be stored horizontally, under cover in the original packaging.

Care should be taken when handling the product in line with current manual handling regulations.

Preparation

Visqueen Adjustable Z Vent and Airbrick fit within a 50mm wide cavity, but also suits wider cavities that are filled with insulation leaving only a 50mm gap. A Visqueen Extension Sleeve is necessary to extend the vent horizontally where cavities are in excess of 200mm.

Installation

Visqueen Adjustable Z Vents and Airbricks should be installed during the normal course of bricklaying. A Visqueen Zedex CPT High Performance DPC cavity tray should be fitted above the vent.

Vents and airbricks should be fitted in at least two opposing walls to create a through flow of air. The vents and airbricks should be placed at centers as stipulated in BS8485:2015 + A1:2019 and within 450mm of each end of the wall. Bricklaying should then be completed as normal although care should be taken to keep the air flow passage clear from mortar droppings.

Where the vents require extending, Visqueen Extension Sleeves should be used.

Usable temperature range

There are no temperature range restrictions for installing Visqueen Adjustable Z Vents, Airbricks and Extension Sleeves.

Additional information

The system can also be used with a Visqueen Gas Vent Mat dispersal layer. For guidance on this or the required number of units to achieve a passive subfloor ventilation system in accordance with BS8485:2015 + A1:2019, 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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Health and safety information

Refer to the Visqueen Adjustable Z Vent and Airbrick safety datasheet (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.