Technical Datasheet

# Visqueen Adjustable Z Vent and Airbrick

## Features & 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.

## 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.



Heanor Gate Road, Heanor, Derbyshire, DE75 7RG
+44 (0) 333 202 6800 I enquiries@visqueen.com I www.visqueen.com

# Visqueen Adjustable Z Vent and Airbrick

## 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.

## Health and safety information

Refer to the Visqueen Adjustable Z Vent and Airbrick 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 or contact our sales office at +44 (0) 333 202 6800 or enquiries@visqueen.com

---

## Complete Range, Complete Solution




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



Heanor Gate Road, Heanor, Derbyshire, DE75 7RG
+44 (0) 333 202 6800 I enquiries@visqueen.com I www.visqueen.com

# Visqueen Adjustable Z Vent and Airbrick

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.





Heanor Gate Road, Heanor, Derbyshire, DE75 7RG
+44 (0) 333 202 6800 I enquiries@visqueen.com I www.visqueen.com