Technical Datasheet

VisqueenPro Gas Vent Box

Features & benefits

- Used for all ground gas venting applications including volatile organic compounds (VOCs)
- Tested to BS EN 1433:2002 - suitable for loads up to 12.5 tonnes
- Heel safe lids - suitable for use in pedestrian areas
- System allows for water management - reduces risk of rainwater entering the void

Product description

VisqueenPro Gas Vent Box comprises a galvanised steel base with a 110mm pipe inlet and adjustable feet for leveling purposes and to secure the box within the concrete surround. When installed, in plan view, the visible area of the vent box is approximately 530mm x 153mm. The 499mm x 123mm vent box lid is secured with locking bolts.

Each vent box provides a free air flow capacity of 20148mm^2.

Approvals and standards

- Conforms to BS EN 1433: 2002, load class B125
- 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

VisqueenPro Gas Vent Box is a high performance ground level vent box that when installed as part of a Visqueen gas venting system will safely disperse harmful gases to atmosphere and reduce the risk of rainwater entering the void. The product can also be used to ventilate air spaces e.g. the open void below suspended precast concrete floor structures.

The vent box is typically used in applications where the gas dispersal system cannot be taken out through a perimeter masonry wall e.g. curtain walling and glazing systems. The vent box is normally positioned close to the building perimeter wall but is suitable for load class B125 to BS EN 1433:2002 which includes pedestrian precincts, light vehicles and private car parks.

Storage and handling

VisqueenPro Gas Vent Box should be stored under cover in the original packaging.

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

Preparation

The VisqueenPro Gas Vent Box should be connected to a suitable soakaway to drain rainwater entering through the vent box grating.

For stability, minimum 50mm concrete to Strength Class C25/30 is required beneath and around the vent box.

Installation

Ensure all below ground Visqueen Gas Vent Pipe push-fit pipework joints are secure and the sub-base is well compacted before positioning and levelling the VisqueenPro Gas Vent Box.

Connect the vent box to the vent pipe ensuring that the top of the vent box grating is either flush or slightly below the external ground level hard landscaping. NB. The grating must not protrude above the external ground level.

Bed the vent box on minimum 50mm concrete (Strength class C25/30 to BS EN 206:2013 + A1:2016) and surround with the same. Remove any concrete spill before it sets and clean off residue with soapy water.

Usable temperature range

There are no temperature range restrictions for installing VisqueenPro Gas Vent Box and associated system components.

Additional information

Please ensure that VisqueenPro Gas Vent Box is suitable for your intended application. Stainless steel vent boxes and vent boxes for classes higher than B125 ratings are also available.

After the building has been occupied, please ensure that the guidelines on the loadings are followed as once installed, Visqueen cannot take responsibility for damage caused by traffic moving over the vent box.

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

VisqueenPro Gas Vent Box

Where heavy vehicles are temporary moving over the vent box e.g. during building maintenance, please ensure the vent box is plated to prevent damage.

For additional detailing information, contact Visqueen Technical Services +44 (0) 333 202 6800

Property	Units	Value
Width	mm	123
Length	mm	530
Height without legs	mm	112
Load class		B125
Free air flow capacity	mm^2	20148

Health and safety information

Refer to the VisqueenPro Gas Vent Box 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.

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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.

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