Technical Datasheet

Visqueen VX25 Waterstop, 20mm x 25mm x 5m

Features & benefits

- Butyl rubber and sodium bentonite waterstop used for cast in situ concrete structures
- Self expanding joint sealing waterstop - stops water passing through construction joints within the concrete
- System component - Visqueen Waterstop Adhesive

Product description

Visqueen VX25 Waterstop is a sodium bentonite and butyl rubber waterstop, 20mm x 25mm x 5m long and sold 6 in a box (30m). The product is black in colour.

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 VX25 Waterstop in conjunction with Visqueen Waterstop Adhesive are used to block the passage of water at construction joints and day-joints in cast in situ concrete retaining walls which are 200mm wide or thicker.

Storage and handling

Store Visqueen VX25 Waterstop in a dry and clean environment in its original packaging.

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

Preparation

Cast Visqueen VX25 Waterstop in a channel 20mm wide x 12.5mm deep. Ensure that the cast channel is free from loose friable material and free from contamination such as dust or sand. Ensure the surface and working area is not water logged.

Installation

For both vertical and horizontal applications and to ensure the integrity of the system fully bed Visqueen VX25 Waterstop in a continuous bead of Visqueen Waterstop Adhesive (see separate product datasheet).

At waterstop end joints and junctions , overlap the waterstop by minimum 25mm and press firmly together.

A minimum concrete coverage of 75mm is required around the waterstop.

When pouring the concrete, compact well around the waterstop taking particular care not to dislodge or damage the product during the process.

Once applied, pour concrete over the exposed Visqueen VX25 Waterstop within 2 days.

Usable temperature range

It is recommended that Visqueen VX25 Waterstop and Visqueen Waterstop Adhesive should be installed between 5°C to 25°C.

Additional information

The product must NOT be used in expansion joints.

Do not install during heavy rainfall, as it may result in swelling before the concrete has been poured on the sealing bar. Avoid all contact with water before concrete casting.

For vertical applications above 1200mm height or where hydrocarbon ground contamination is present, 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.

Property	Result
Dimensions	20mm x 25mm x 5m

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

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Colour	Black
Box quantity	6
Expansion in rain water	400%
Expansion in concrete water	150%
Density	1.43 g/cm³
Swelling pressure when encapsulated	Approx. 1.8 N/mm²
Resistance to hydrostatic pressure	Tested up to 4 bar
Bending radius on the corners	50 mm

Health and safety information

Refer to Visqueen VX25 Waterstop 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

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Complete Range, Complete Solution

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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 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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