

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

Features and benefits

- High quality butyl rubber and sodium bentonite - for concrete retaining walls
- Self expanding sealing bar - stops water passing through construction joints within the concrete
- Complete fixing system - 310ml high performance waterstop adhesive
- Adaptable - suitable for all types of poured insitu concrete
- Adhesive system - speeds up installation and eliminates the need for mechanical fixings
- High quality butyl - long shelf life (will not harden when exposed to ambient conditions)

Product description

The VX25 Waterstop is a high performance sodium bentonite and butyl rubber. The waterstop bar is 20mm x 25mm x 5m long and sold 6 in a box (30m)

The Visqueen Waterstop Adhesive is a high quality, one component polyurethane adhesive. Upon contact with water, the adhesive can expand up to 450% of its original volume. The product is available in a 310ml cartridge - sold 12 per box - and can be used with a caulking/sealant gun (not supplied by Visqueen).

1 Cartridge covers approximately 8 linear metres.

Approvals and standards

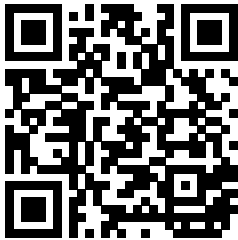
- Quality Management System ISO 9001

Usage

Visqueen VX25 Waterstop and Adhesive are used to block the passage of water at construction joints and day-joints in retaining walls which are 200mm wide or thicker. The system can be used in civil engineering applications. It is suitable in high compressive load applications.

System components

Find your local stockist





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

Storage and handling

Store in a dry and clean environment in its current packaging.

The waterstop adhesive has a maximum 9 months shelf life from production date in its original unopened cartridge.

Preparation

Cast 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 we recommend using Visqueen Waterstop Adhesive. Apply the adhesive using a sealant/caulking gun along the channel. Optimal fixation is achieved when the full contact area of the waterstop is covered with adhesive. 1 Cartridge covers approximately 8 linear metres.

After application of the adhesive, the waterstop needs to be pressed down, to ensure full contact with the paste underneath and to achieve optimal adhesion.

To ensure a continuous section of the sealing waterstop, an overlap of 50mm to 10mm is applied and the bar ends are firmly pressed together. A minimum concrete coverage of 70mm - 80mm on each side is required.

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

Usable temperature range

It is recommended that Visqueen VX25 Waterstop and other system components 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.

Any vertical applications above 1200mm please contact Visqueen technical team.

Good overall chemical resistance, but we advise to be careful with aromatic oils and fuels and strong aromatic solvents. Contact Visqueen for detailed specific information.

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Waterstop	
Property	Result
Dimensions	20x25mm x 5m
Colour	Black
Box quantity	6
Expansion in rain water	400%
Expansion in concrete water	150%
Density	1.43 g/cm ³
Swelling pressure when encapsulated	Approx. 1.8 N/mm ²
Resistance to hydrostatic pressure	Tested up to 4 bar
Bending radius on the corners	50 mm
Adhesive	
Cartridge	
Cartridge	310ml
Curing system	Moisture
Skin formation *	120 minutes
Curing rate *	1.8mm / 24h
Shrinkage	max 4%
Elongation in film	>800%
Elongation at break in joint	>250%
Tear strength	0.6N/mm ²
COVERAGE	c.8 linear metres
*may vary depending on actual temperatures	

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.

