Technical Datasheet

Visqueen IGW5 and IGW10 Waterstops

Features & benefits

- Agrement certified - third party accreditation
- Suitable for both horizontal and vertical construction joints
- Inbuilt activation delay - suitable for use in wet weather conditions
- Visqueen Waterstop Adhesive eliminates the need for mechanical fixings

Product description

Visqueen IGW5 and IGW10 Waterstops are swellable hydrophilic polymer waterstops. Manufactured from thermoplastic synthetic rubber, the products are lightweight and highly flexible. Both products are coloured blue for ease of recognition.

Visqueen IGW5 Waterstop is supplied in 10m long strips, 20mm wide and 5mm high. There are 5 strips per box (50m total).

Visqueen IGW10 Waterstop is supplied in 10m long strips, 20mm wide and 10mm high. There are 7 strips per box (70m total).

Approvals and standards

- Third party accreditation (BBA 21/5905)
- Designed for use as part of a Type B structurally integral system to BS 8102: 2022
- 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 IGW5 and IGW10 Waterstop are used to block the passage of ground water at construction joints and day-joints in poured in-situ below ground concrete structures which are 175mm wide or wider e.g. retaining walls.

For concrete thicknesses between 175mm and 300mm, use Visqueen IGW5 Waterstop. For concrete thicknesses wider than 300mm, use Visqueen IGW10 Waterstop.

The waterstops are not intended for use in expansion joints. For salt water or contaminated water applications, contact Visqueen Technical Services +44 (0) 333 202 6800.

System components

- Visqueen Waterstop Adhesive, 310ml cartridge

Storage and handling

Store Visqueen IGW5 and IGW10 Waterstops in a clean, dry environment in their original packaging. The products should not be exposed to long periods of ultraviolet light or weathering.

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

Preparation

Ensure the substrate is stable and free from contamination such as oil and fat, and loose material such as dust or sand. Ensure the substrate is not water logged, however a damp substrate can be tolerated.

Application to particularly rough surfaces should be avoided. Freshly placed concrete can be smoothed with a wooden batten to form a shallow rebate along which the product can be placed.

Visqueen IGW5 and IGW10 Waterstops can be cut with a sharp retractable safety knife or robust scissors.

Visqueen Waterstop Adhesive is applied using a standard mastic skeleton gun.

Installation

Visqueen IGW5 and IGW10 Waterstops should not be mechanically fixed. Bed the 20mm wide face of the waterstops on an approximate 10mm continuous bead of Visqueen Waterstop Adhesive and press firmly into position. When applying the adhesive, the bead should be sufficient to level any minor roughness in the substrate and extrude slightly from either side of the waterstop when pressed into position. Application of the waterstop must be completed within 90 minutes of applying the adhesive.

The waterstop should be positioned centrally between the inner and outer rows of reinforcing bars ensuring a minimum of 75 mm concrete coverage of the waterstop at all edges.

At ends and junctions, closely butt joint the waterstop and apply a 10mm bead of adhesive over the butt joint to

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Visqueen IGW5 and IGW10 Waterstops

seal the junction.

Once applied, pour concrete over the exposed waterstop within 48 hours. Prior to pouring the concrete, the waterstop should be inspected for damage and premature swelling. Damaged and/or swollen product must be replaced at this stage.

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

Usable temperature range

It is recommended that Visqueen IGW5 and IGW10 Waterstops and the associated system component should not be installed below 5°C.

Additional information

At pipe penetrations use Visqueen IGW Pipe Strap.

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	Value
Visqueen IGW5 Waterstop	
Dimensions	5mm x 20mm x 10m
Colour	Blue
Box quantity	5 strips (50 linear metres)
Visqueen IGW10 Waterstop	
Dimensions	10mm x 20mm x 10m
Colour	Blue
Box quantity	7 strips (70 linear metres)
Visqueen Waterstop Adhesive	
Cartridge	310ml
Coverage (10mm bead)	Approximately 8 - 10 linear metres

Health and safety information

Refer to the Visqueen IGW5 and IGW10 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

Complete Range, Complete Solution

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Visqueen IGW5 and IGW10 Waterstops



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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