

Visqueen IGW5 and IGW10 Waterstops

Features and benefits

- High performance - performs to 6 bar
- Versatile - suitable for both horizontal and vertical construction joints
- Inbuilt activation delay - suitable for use in wet weather conditions
- 10m strips - rapid installation
- Visqueen Waterstop Adhesive - speeds up installation and 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

- Designed for use as part of a Type B structurally integral system to BS 8102: 2009
- Quality Management System ISO 9001:2015

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.

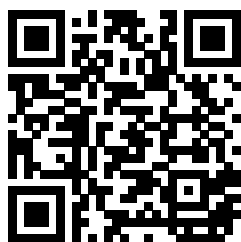
For concrete thicknesses between 175mm and 300mm, use Visqueen IGW5 Waterstop. For concrete thicknesses wider than 300mm, use Visqueen IGW10 Waterstop.

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

Find your local stockist



Visqueen IGW5 and IGW10 Waterstops

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 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.

Visqueen IGW5 and IGW10 Waterstops

| 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 material safety datasheet (MSDS).

Visqueen IGW5 and IGW10 Waterstops

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.