

Visqueen VX25 Waterstop

For in-situ concrete construction joints

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- | High performance sodium bentonite waterstop
- | Stops water infiltration through insitu joints
- | Unique swelling properties stops water from all directions
- | Delay swell properties aids installation times

Description

Visqueen VX25 Waterstop is a special formulated sodium bentonite hydrophilic waterstop designed to prevent the ingress of water through cast in-situ concrete construction joints. The unique properties allow the waterstop to swell in all directions of the water unlike other waterstops which swell in a uniform direction.



Visqueen VX25 Waterstop also contains a special additive that delays the swelling process. This greatly assists installation times during periods of rain. The high performance waterstop is designed to replace PVC/Rubber type waterbars, thereby eliminating the requirement of special pieces and seam welding.

The product form is square, black in colour and is 5m linear metres in length and packed 4 per box (total length per box 20m).

Application

Visqueen VX25 Waterstop is generally used in horizontal concrete 150mm or thicker i.e. mesh reinforced slabs; and in vertical concrete 150mm or thicker i.e. wall with at least a double row of reinforcement steel. When designing Type A structures (as classified in BS 8102: 2009), the product is used in construction joints in reinforced concrete, as part of the Visqueen Tanking system: see detail.

Visqueen VX25 Waterstop can also be used where the pipe is cast into the concrete. The Waterstop is not designed, nor intended to function, as an expansion joint sealant. Please contact Visqueen's Technical Support team for expert application advice on 0845 302 4758.

Visqueen VX25 Waterstop shall only be used in applications where the product is completely encapsulated within the concrete.

Visqueen VX Waterstop system

- | Visqueen VX25 Waterstop – for horizontal and vertical joints
- | Visqueen VX90 Waterstop – for 90o internal angles and seal around pipe penetrations including pile caps
- | Visqueen Waterstop Mastic – secures VX waterstops in vertical and pile cap applications
- | Visqueen Waterstop Fixings - secures VX waterstops in vertical applications and horizontal applications where no rebate has been formed

VISQUEEN
 BUILDING PRODUCTS

Heanor Gate, Heanor, Derbyshire DE75 7RG

T: 0845 302 4758 F: 0845 017 8663

enquiries@visqueenbuilding.co.uk

www.visqueenbuilding.co.uk

VISQUEEN BUILDING PRODUCTS IS A TRADING NAME
 OF BRITISH POLYTHENE LIMITED, COMPANY NUMBER:
 350729, REGISTERED OFFICE: ONE LONDON WALL,
 LONDON, EC2Y 5AB

STRUCTURAL WATERPROOFING
 AND GAS PROTECTION SYSTEMS

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Installation

GENERAL

All construction should conform to the Building Regulations, Codes of Practice and British Standards in current use at the time the building is being constructed. In particular it is recommended that reference is made to BS 8102: 2009.

The waterstop must be placed firmly into the rebate especially into any concrete undulations. If required, secure to surface using Visqueen Waterstop Mastic or Fixings. The confining concrete must be placed within 5 days of installation of the waterstop profile.

Where required cut the coils with a sharp blade or utility knife to fit coil ends together.

PREPARATION

Construction joint surfaces should be clean and free of standing water, dust or debris.

Horizontal Joints

1. Create rebate in wall/floor joints and at stop end shutters
2. Remove void former and airhose/brush away any debris
3. Place Visqueen VX25 Waterstop into rebate and press firmly
4. Butt joint and knead lengths together to form a continuous layer
5. If no rebate has been formed secure waterstop using Visqueen Waterstop Fixing nails at 200mm intervals. DO NOT overlap coil ends
6. Care should be taken when placing and vibrating the concrete pour to ensure the Visqueen VX25 Waterstop is not displaced
7. Ensure the waterstop is encapsulated within the concrete 72 hours after installation

Vertical Joints

When applied to vertical surfaces please follow the guidelines above for Horizontal joints but ensure Visqueen VX25 is fixed securely using:

- Visqueen Waterstop Mastic - spot applied every 200mm intervals
- Visqueen Waterstop Fixing nails at 200mm intervals

This will prevent the waterstop hanging. When using Visqueen VX25 Waterstop where the pipe is cast into the concrete ensure the waterstop is fixed around the circumference of pipe, knead together and secure with tie wire.

Storage and Handling

Store in a warm and dry environment.

Coils of Visqueen VX25 Waterstop are individually wrapped in polythene, prior to packaging, to retain moisture within the product and placed in boxes. Boxes must be stored on pallets but pallets must not be stacked one on top of another. Once opened the pallets must be stored under cover or covered with a protective weatherproof sheet to prevent rain damage.

Surplus material may be re-used provided it is immediately rewrapped and stored appropriately.

SPECIFICATION SUPPORT

The following items are available to view online or to download from www.visqueenbuilding.co.uk

- Technical Datasheets
- Typical installation CAD details
- Health and Safety data

Register online for access to NBS Clauses and for information about our CPD Seminars



TECHNICAL SUPPORT

For advice on detailing or installation call Visqueen Building Products Technical Help Line 0845 302 4758. Pricing & Availability may be obtained from our UK Network of merchant stockists. For details of these call our Sales Office on 0845 302 4758.

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TYPICAL PROPERTIES

Technical Information

Dimensions width and height	25mm
Dimension length	5m
Quantity per box	4 (20m)
Visqueen Waterstop Mastic	10 kilos
Visqueen Waterstop Metal Fixings	100 per box
Visqueen Pile Cap Sealer	25 kilo tub

The information given in this datasheet is based on data and knowledge correct at the time of printing. Statements made are of a general nature and are not intended to apply to any use or application outside any referred to in the datasheet. As conditions of usage and installation are beyond our control we do not warrant performance obtained but strongly recommend that our installation guidelines and the relevant British Standard Codes of Practice are adhered to. Please contact us if you are in any doubt as to the suitability of application.

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