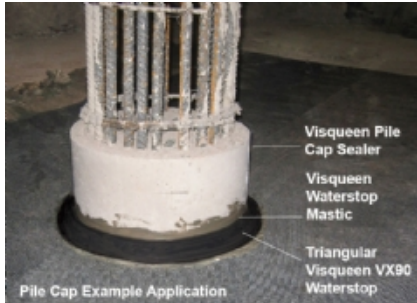


Visqueen VX90 Waterstop For pile caps and changes of direction

Page 1 of 3



- High performance sodium bentonite waterstop
- Part of Visqueen's Pile Cap waterproofing system
- An active reinforcement strip at internal 90° angles
- Unique swelling properties stops water from all directions
- Delay swell properties aids installation times

Description and Application

Visqueen VX90 Waterstop is a special formulated sodium bentonite hydrophilic waterstop designed to act as an active reinforcement strip at internal 90° angles – changes of direction - and to seal around pile cap penetrations. The unique properties allow the waterstop to swell in all directions of the water unlike other waterstops which swell in a uniform direction. The product is triangular in shape and black in colour.

Visqueen VX90 Waterstop also contains a special additive that delays the swelling process. This greatly assists installation times during periods of rain.

The product form is triangular, black in colour and is 1m linear metre in length and packed 18 per box (total length per box 18m).

Visqueen VX Waterstop system

- Visqueen VX25 Waterstop – for horizontal and vertical joints
- Visqueen VX90 Waterstop – for 90° internal angles and seal around pipe penetrations including pile caps
- Visqueen Waterstop Mastic – secures VX Waterstops in vertical and pile cap applications
- Visqueen Pile Cap Sealer – a special formulated cementitious compound for waterproofing pile caps

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STRUCTURAL WATERPROOFING
 AND GAS PROTECTION SYSTEMS

Visqueen VX90 Waterstop

For pile caps and changes of direction

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 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.

Changes of direction – see detail x

1. Clean surface by means of jet wash, grit blasting or scabbling
2. Firmly place Visqueen VX90 Waterstop into the foot of the wall
3. Butt joint and knead lengths together to form a continuous layer
4. Cover with Visqueen Pre Applied Membrane

Pile cap sealing – High Risk

see detail x

1. Clean surface by means of jet wash, grit blasting or scabbling.
2. Apply Visqueen Pile Cap Sealer to the full area of the pile cap including 100mm vertically by:
Mechanically mix Visqueen Pile Cap Sealer at an approximate ratio of 4:1 with clean water by volume by adding the powder into the water.
Coverage rate is 1.5kg/m² to obtain a 3-5mm thickness. This can be achieved by applying one coat or two (2 x 0.75 kg/m²). The second coat should be applied whilst the first coat is still green.
1 tub of Pile Cap Sealer covers c. 16m²
3. Roll out Visqueen Pre Applied Membrane to the base of the ground pile cap. Do not cover the pile cap with the membrane.
4. Ensure the product is well ventilated for at least 3 days. Protect the coating against excessive fast evaporation in hot conditions or drying winds by mist spraying regularly.
5. Apply Visqueen Waterstop Mastic to the vertical and horizontal as per detail. 1 x 10 kg tub covers 200g per one linear metre.
6. Place Visqueen VX90 Waterstop securely and press firmly around the full circumference of the pile cap. Butt joint and knead lengths together to form a continuous layer.

Pile cap sealing – Low Risk

see detail x

Please follow the steps as above but eliminate steps 2 and 4 as there is no requirement for Visqueen Pile Cap Sealer.

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.

Visqueen VX90 Waterstop

For pile caps and changes of direction

Storage and Handling

Store in a warm and dry environment.

Ensure waterstops are wrapped in polythene before use. The waterstop will harden if exposed to air over short periods.

Coils of Visqueen VX90 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.

TYPICAL PROPERTIES

Technical Information

Dimensions width and height	25mm
Dimension length	1m
Quantity per box	18 (18m)
Visqueen Waterstop Mastic	10 kilos

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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