

Tanking Protection System Components

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Visqueen Tanking Protection

Visqueen Building Products is recognised as a market leader in the development, production and supply of high quality construction related products for waterproofing below ground (tanking). The following components are used within the Visqueen Self Adhesive Membrane, Gas Resistant Self Adhesive Membrane, TorchOn Tanking and Urban Drainage Geomembrane (UDG) systems to ensure effective bonding, detailing and protection. Separate datasheets relating to the system membranes are available.

System Components

Visqueen Rigid Preformed Pipe Sleeve (Top Hat) Unit

Description

A black, rigid polyethylene preformed pipe sleeve unit, available for either 110mm or 135mm external diameter pipes.

Application

Pipe sleeve for effective waterproofing protection around service pipe penetrations.

Installation

Ensure surfaces are clean and dry. Dress the tanking membrane to the base of the pipe. Apply Visqueen Zedex DPC Jointing Tape to the underside of the unit flange and the circumference of the pipe. Remove tape release paper, slide the unit over the pipe and bond to the membrane and pipe (Visqueen TorchOn Tanking requires the sanded surface to be prepared by pre-torching the surface of the membrane). Apply pressure to the jointed area to ensure adhesion. Apply a 200mm strip of the tanking membrane equidistant over the unit flange/membrane lap. Apply pressure to ensure adhesion. Apply a 200mm strip of the tanking membrane around the unit upstand/pipe lap. Apply pressure to ensure adhesion and secure with a mechanical fastening clip. When using a gas torch, ensure the flame is directed away from the pipe and pipe sleeve unit during installation.

Visqueen Flexible Preformed Pipe Sleeve (Top Hat) Unit

Description

A black, flexible polyethylene preformed pipe sleeve unit, supplied to suit pipe external diameter as required.

Application

Pipe sleeve for effective waterproofing protection around service pipe penetrations. Easy to trim on site. Ideal for pipes positioned close to each other or pipes tight against internal walls.

Installation

Ensure surfaces are clean and dry. Dress the tanking membrane to the base of the pipe. Apply Visqueen Zedex DPC Jointing Tape to the underside of the unit flange and the circumference of the pipe. Remove tape release paper, slide the unit over the pipe and bond to the membrane and pipe (Visqueen TorchOn Tanking requires the sanded surface to be prepared by pre-torching the surface of the membrane). Apply pressure to the jointed area to ensure adhesion. Apply a 200mm strip of the tanking membrane equidistant over the unit flange/membrane lap. Apply pressure to ensure adhesion. Apply a 200mm strip of the tanking membrane around the unit upstand/pipe lap. Apply pressure to ensure adhesion and secure with a mechanical fastening clip. When using a gas torch, ensure the flame is directed away from the pipe and pipe sleeve unit during installation.

Tanking Protection System Components

Visqueen Flexible Internal and External Preformed Corner Units

Description

Black, flexible polyethylene preformed corner units, supplied 150mm x 150mm x 150mm.

Application

Preformed units for effective waterproofing of internal and external corners when using Visqueen self adhesive tanking membranes.

Installation

Ensure surfaces are clean and dry. Apply Visqueen Zedex DPC Jointing Tape to the underside of the unit and bond into position. Lap the self adhesive tanking onto the unit and apply pressure to ensure adhesion.

Visqueen Heavy Duty Protection Board

Description

A 3mm thick, flexible and rot proof bituminous board, supplied in 1m x 2m sheets.

Application

For protection of tanking membranes against damage from backfill, following trades, and the process of positioning spacers and reinforcement prior to laying a reinforced concrete slab.

Installation

In horizontal applications, boards are loose laid and closely butt jointed. To prevent lateral movement the boards should be over-taped with Visqueen Girth Jointing Tape applied equidistant over the junction. Ensure surfaces are clean and dry prior to application of tape. Apply pressure to the tape to ensure adhesion. In vertical applications, boards should be strip bonded to the tanking membrane with Visqueen Zedex DPC Jointing Tape and the joints over-taped with Visqueen Girth Jointing Tape applied equidistant over the junction. Ensure surfaces are clean and dry prior to application of tape. Apply pressure to the tape to ensure adhesion.

Visqueen UDG Protection Board

Description

A 3mm thick, flexible and rot proof board, supplied in 1.22m x 2.44m sheets.

Application

For protection of urban drainage geomembranes or as medium duty protection for Visqueen tanking membranes.

Installation

In horizontal applications, boards are loose laid and closely butt jointed. To prevent lateral movement the boards should be over-taped with Visqueen Girth Jointing Tape applied equidistant over the junction. Ensure surfaces are clean and dry prior to application of tape. Apply pressure to the tape to ensure adhesion. In vertical applications, boards should be strip bonded to the membrane with Visqueen Zedex DPC Jointing Tape and the joints over-taped with Visqueen Girth Jointing Tape applied equidistant over the junction. Ensure surfaces are clean and dry prior to application of tape. Apply pressure to the tape to ensure adhesion.

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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Visqueen Zedex DPC Jointing Tape

Description

A black, double sided butyl mastic tape, supplied in 100mm x 15m rolls.

Application

Double sided adhesive tape for a variety of bonding applications including adhering protection boards to externally applied vertical tanking.

Installation

Ensure surfaces are clean and dry. Apply tape, remove tape release paper and form bond as required. Apply pressure to the jointed area to ensure adhesion. When the weather is cold, store tape in a warm, dry place until required. Installation is not recommended below 5C.

Visqueen Zedex DPC Fixing Strip

Description

A semi-flexible black plastic strip, 2m long and 30mm wide. The strip is pre-drilled at approx 150mm centres (14 holes per strip).

Application

For securing the top edge of vertically applied tanking membranes to masonry units or concrete.

Installation

Bond the vertically applied tanking membrane. Position the Visqueen Zedex DPC Fixing Strip approximately 5mm below the top edge of the tanking membrane and secure in position with Visqueen Zedex DPC Fixing Pins for Masonry to provide a permanent mechanical fixing.

Visqueen Zedex DPC Fixing Pins for Masonry

Description

A grey plastic fixing pin with a central nail. Hammering the central nail into the body of the fixing expands the fixing securing it in the drilled hole. Supplied in a box of 50 pins.

Application

For securing the top edge of vertically applied tanking membranes to masonry units or concrete.

Installation

Bond the vertically applied tanking membrane. Position the Visqueen Zedex DPC Fixing Strip approximately 5mm below the top edge of the tanking membrane. At one end of the Fixing Strip, drill a 6mm diameter hole (through the tanking) into the substrate, to a depth of 55mm, using the hole in the Fixing Strip as a guide. Insert the Fixing Pin through the Fixing Strip into the drilled hole and secure in position by tapping the central nail into the body of the fixing using a flat faced hammer. The barbed portion of the Fixing Pin will expand securing the Fixing Strip and tanking membrane in position. Repeat for each hole of the Fixing Strip.

Visqueen HP Tanking Primer

Description

Visqueen High Performance Tanking Primer is a black, elastomeric bituminous priming solution designed to prepare surfaces prior to the application of Visqueen self adhesive and torch applied damp proofing and tanking membranes. The product is manufactured in the UK and supplied in 5L tins.

Uses

Visqueen High Performance Tanking Primer can be used to prepare a variety of substrates including metal, concrete, brickwork, blockwork and stonework. It

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significantly improves the bond of Visqueen self adhesive and torch applied damp proofing and tanking membranes and helps to ensure a long-term watertight finish. It is suitable for green concrete, damp surfaces or substrate temperatures below 5C.

Installation

Visqueen High Performance Tanking Primer can be applied by brush or roller. Care should be taken to prevent splashes as primer will permanently stain porous surfaces. Surfaces must be smooth, clean, and free from contaminants such as dust, dirt, grease, lichen, frost, etc. Substrate temperature must be greater than -4C. Coverage rates on porous surfaces e.g. concrete is 6–8m./litre. Visqueen High Performance Tanking Primer will dry in 1–5 hours depending upon temperature, surface porosity and ventilation. Wait until primer is tack free. The primer will be resistant to light rainfall almost immediately after application. Allow to dry fully before application of waterproofing membrane. Avoid pouring the primer directly onto a horizontal surface; use a dip tray. The primer should not be allowed to puddle during application as this will increase drying time. All tools can be cleaned after use with white spirit. Priming should be limited to an area that can be covered with membrane in 24 hours. Areas that accumulate significant amounts of dust or dirt must be re-primed before membrane application. When used on green concrete or damp surfaces, moisture may become trapped under the membrane which may result in blistering, particularly in warm, sunny weather. To reduce this risk, the membrane should be covered as soon as possible after application.

TYPICAL PROPERTIES

Dimensions

Rigid Preformed Pipe Sleeve (Top Hat) Unit	110mm or 135mm
Flexible Preformed Pipe Sleeve (Top Hat) Unit	Supplied to suit external diameter
Flexible Internal & External Preformed Corner Units	150mmx150mmx150mm
HD Protection Board	1mx2mx3mm
UDG Protection Board	1.22mx2.44mx3mm
Zedex DPC Jointing Tape	100mmx15m
Zedex DPC Fixing Strip	300mmx2m
Zedex DPC Fixing Pins for Masonry	Box of 50
HP Tanking Primer	5L tins

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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