VISQUEEN

Product Guide 2022

Complete range - Complete solution

Contents

The difference is Visqueen

For over 50 years the construction industry has trusted Visqueen products and services to ensure that their buildings remain fully protected from damp, water and hazardous ground gas ingress.

As one of the market leaders in the manufacture and supply of products used for critical functions, we offer support at every stage of the construction process - specification, supply chain and on-site. It's easy to see why the difference is Visqueen.

The following pages provide you with detailed product information across our diverse product portfolio.

For further information and technical support please call our customer service department +44 (0) 333 202 6800

Structural Waterproofing

Structural Waterproofing Cavity Drain System

Product description

Visqueen Plaster Base Membrane is a 0.5mm thick, high density polyethylene (HDPE) profiled sheet with approximate 1 mm high studs. The membrane is supplied in large format roll 2m x 20m.

Usage

Type C waterproofing is defined in BS 8102:2022 as 'drained protection'. This is achieved by the incorporation of a drained cavity within the basement structure. The basement wall must provide enough primary resistance to water ingress to ensure the cavity only accepts a controlled amount of water or dampness. Water is collected in the cavity, between the external wall and an internal lining (cavity drain membrane), and diverted to a suitable drainage point.

Features and benefits

- BBA certified - third party certification
- Type C membrane (drained protection) - part of a cavity drainage system in accordance with BS 8102:2022
- Undercut stud design - creates mechanical key for plaster
- Prime HDPE - robust studded wall membrane
- Multi-use - suitable for new, existing and retrofit build projects
- Large roll formats with flanged edges for jointing - quick and easy to install
- Pliable - can be bent round corners and projections without risk of breaking

Installation

The product is designed to be installed by competent specialist contractors experienced with cavity drain systems. Visqueen Plaster Base Membrane should not be used on floors.

Installation of the Visqueen Plaster Base Membrane is ideally commenced at the top of the wall with studs against the wall. Ensure the membrane is installed plumb therefore aiding the installation of the internal lining. The membrane should always be used with the lower sheet placed in front of the higher sheet with a minimum overlap of two studs. Pull the membrane as tightly as possible against the structure to minimise hollow areas behind as these can interfere with the application of subsequent plaster finishes.

Fixings are made through the membrane into holes drilled through the centre of a 4 stud cluster rather than the stud itself.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Cavity Drain System Components

Installation

Begin at one side of the room and unroll the Visqueen V20 Floor Membrane against the wall membrane with the studs facing down onto the floor and cut the membrane to the desired length or width of the floor (like laying a carpet). Repeat this exercise till all the lengths/widths required to cover the floor area have been cut allowing for a two-stud membrane overlap.

The individual sheets of membrane that have now been cut, are joined together with Visqueen Sealing Rope. The sealing rope is positioned between the two stud formations along the edge of the membrane to be overlapped. Remove the release paper.

Lift the next sheet of membrane over the two interlocking studs and press the overlapping membrane down onto the sealing rope.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Cavity Drain System Components

Product description

Visqueen V20 Floor Membrane is a 1mm thick high density polyethylene (HDPE) profiled sheet with approximate 20mm high studs . The membrane is supplied in large formats roll of 2m x 20m.

Usage

Type C waterproofing is defined in BS 8102:2022 as 'drained protection'. This is achieved by the incorporation of a drained cavity within the basement structure. The basement walls and floor must provide enough primary resistance to water ingress to ensure the cavity only accepts a controlled amount of water or dampness. Water is collected in the cavity, between the external wall/floor and an internal lining (cavity drain membrane), and diverted to a suitable drainage point.

The membrane can be used as an internally applied horizontal or vertical membrane as part of a Visqueen Cavity Drain System. The system is typically used for internally tanking basements, sub structures and retaining walls within new, existing and retrofit build projects.

Features and benefits

- Prime HDPE - robust studded floor membrane
- Multi-use - suitable for new, existing and retrofit build projects
- Large roll formats with flanged edges for jointing - quick and easy to install
- BBA certified - third party certification
- Type C membrane (drained protection) - part of a cavity drainage system in accordance with BS 8102:2022
- Sealed system - meets the requirements for radon protection

VISQUEEN CAVITY DRAIN MEMBRANE SYSTEM

Structural Waterproofing Cavity Drain System

Product description

Visqueen V8 Wall Membrane is a 0.5mm thick high density polyethylene (HDPE) profiled sheet with approximate 7mm high studs.

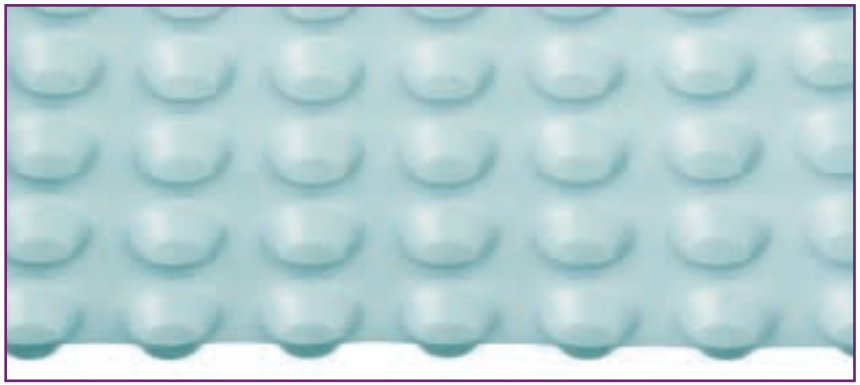
The membrane is supplied in large format rolls of 2.07m x 20m which includes a 70mm flange edge on one side to aid jointing.

Usage

Type C waterproofing is defined in BS 8102:2022 as 'drained protection'. This is achieved by the incorporation of a drained cavity within the basement structure. The basement wall must provide enough primary resistance to water ingress to ensure the cavity only accepts a controlled amount of water or dampness. Water is collected in the cavity, between the external wall and an internal lining (cavity drain membrane), and diverted to a suitable drainage point.

Features and benefits

- Prime HDPE - robust studded wall membrane
- Multi-use - suitable for new, existing and retrofit build projects
- Large roll formats with flanged edges for jointing - quick and easy to install
- BBA certified - third party certification
- Type C membrane (drained protection) - part of a cavity drainage system in accordance with BS 8102:2022
- Pliable - can be bent round corners and projections without risk of breaking
- Sealed system - meets the requirements for radon protection



Installation

Installation of the Visqueen V8 Wall Membrane is ideally commenced at the top of the wall with studs against the wall. Ensure the membrane is installed plumb therefore aiding the installation of the internal lining.

Fixings are made through the membrane into 10mm holes drilled through the studs to a minimum depth of 75mm (using a 10mm diameter masonry drill bit). Visqueen Masonry Plugs, to which Visqueen Sealing Rope has been applied around the rim, are inserted into the holes and tapped flush with the membrane (use punch where necessary). The Visqueen Sealing Rope forms a sealing gasket between the plug and membrane. The fixings are normally required at 1m centres, and should be staggered. Fixings are also required immediately either side of the laps. Flanged edges should always be positioned in front of, and overlapping, the previously installed membrane width.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Cavity Drain System Components

Installation

Visqueen Protect&Drain is designed to be installed with the geotextile filter membrane facing the direction of the water flow i.e facing towards the backfill.

Unroll into position. The product can be installed as a series of abutting strips running across the face of the vertical substrate e.g. starting at the bottom and running left to right, or installed vertically on the substrate e.g. top to bottom.

The strips can be temporarily held in position using VisqueenPro Double Sided Jointing Tape.

The geotextile filter membrane extends beyond the width of the dimpled HDPE core at one side; this creates an overlap flap which should be secured to the adjacent strip with VisqueenPro Detailing Strip. Seal perimeter edges of installation with VisqueenPro Detailing Strip to prevent ingress of fines/soil.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Double Sided Jointing Tape, 50mm x 10m
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m

Product description

Visqueen Protect&Drain is a geocomposite void former comprising a cuspated high density polyethylene (HDPE) core, bonded to a nonwoven polypropylene geotextile filter membrane.

The product is supplied in rolls and available in the following three thicknesses; 6mm (970mm x 25m), 12mm (1m x 25m) and 25mm (900mm x 25m).

Usage

Visqueen Protect&Drain is used for below ground waterproofng applications where an externally applied Type A barrier membrane (tanking membrane) protection layer is required combined with an integral sub-surface drainage layer. The product forms a void to collect and transmit water into adjacent sub-surface drainage outlets or collector pipes and so reduce the risk of a head of water (hydrostatic pressure) forming against the structure.

Typical applications include use as part of a groundwater management system for slab edges, retaining walls, basement walls and lift pit walls. Product selection should be based on the groundwater risks highlighted in the site ground investigation report.

Features and benefits

- Multifunctional - acts as a combined protection layer and drainage layer
- Range of thicknesses available - provides options for water flow capacity
- Large format rolls - rapid installation
- Robust - high compressive strength

Structural Waterproofing Liquids

Product description

Visqueen Axiom Guard is a grey, single component liquid damp proof and waterproof membrane. It is supplied in 20kg tins.

Usage

Visqueen Axiom Guard is suitable for damp proofing applications including concrete floors and masonry wall constructions. The product is also suitable for waterproofing below ground concrete substructures including retaining walls, cast concrete, precast concrete and steelwork. The product is ideal for complex detailing and difficult to reach areas.

The product is not designed as a decorative coating.

The product can be used to achieve one form of waterproof for Grades 1, 2 and 3 as defined in BS 8102:2022.

Features and benefits

- Agrément certifed - third party accreditation
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- No mixing required - use straight from the tin
- Flexible elastic coating - able to withstand moderate movement
- Versatile - ideal for complex detailing and difficult to reach areas
- Fully bonded system - self terminating at the perimeter of the installation
- Radon resistant - third party testing

Installation

Visqueen Axiom Guard can be applied directly from the tin using a brush, or transferred to another suitable container and then applied by roller.

For concrete, brickwork, blockwork, timber and metal substrates apply 2 coats. Apply the first coat at a coverage rate of 0.75kg/m^2, and the second coat at 0.75kg/m^2. When used as a 2 coat system, a 20kg tin will cover approximately 13.3m^2. Allow a minimum of 6 hours between application of coats.

Good ventilation is required to ensure adequate curing of the coating.

Long periods of exposure to ultraviolet light will reduce the effectiveness of the membrane. The membrane should be covered by a protective layer immediately after installation to prevent damage from following trades, ultraviolet light, etc.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Axiom Primer, 4kg
- Visqueen IGW5 and IGW10 Waterstops

Installation

The following tools are suitable for installation; scraper, gauging trowel, steel plasterers trowel and plasterers hawk. Tools can only be cleaned by scraping off the excess material. Using the appropriate tools, apply onto the substrate using the same principle as plastering. Areas that require fillets or complex detailing should be completed using an appropriate width scraper or gauging trowel.

Angle fillet coverage - in fillet applications the material should be at least 20mm thickness in the horizontal and vertical surfaces. Coverage is approximately 78 liner metres per 15.6kg tin.

Render coat coverage - when used as a 2.5mm thick render coat (minimum thickness), coverage is approximately 6.24m^2.

Once mixed, the product must be applied within one hour. The product cannot be resealed for later use.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Protect&Drain
- Visqueen TreadGUARD 1500, 1m x 2m

Product description

Visqueen Axiom UniSeal is a two component system both supplied in the same tin with an overall product weight of 15.6kg. The first component (Part A) is a bitumen-extended polyurethane fluid (15kg).
The second component (Part B) is an accelerator hardener (0.6kg).

Usage

Visqueen Axiom UniSeal is specially formulated for waterproofing below ground structures. It is suitable for complex shapes, irregular profiles and angle fillets. It can be used to seal pipe penetrations and steel stanchions and around steel reinforcement. It can also be used on various surfaces including steel, timber, plywood, bitumen membranes, concrete and masonry.

Visqueen Axiom UniSeal is a high performance liquid waterproofing membrane which meets the requirements of BS8102:2022 for

Grades 1, 2 and 3, and is classified as a fully bonded Type A membrane.

Features and benefits

- Agrément certifed - third party accreditation
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- Tough rubber like cure - perfect for detailing irregular profiles and penetrations
- Multiple applications - ideal for waterproofing blockwork and brickwork masonry substrates
- Unique curing properties - creates a fillet in just one pass, with no complicated build-ups
- Barrier properties - radon resistant

Structural Waterproofing Tanking Membranes

Product description

Visqueen Gas Resistant Self Adhesive Membrane is a foil lined modified bitumen rubber membrane with a self adhesive coating protected by a removable polyethylene release film. The product is silver on the upper surface and supplied in rolls 1m x 20m.

Usage

Visqueen Gas Resistant Self Adhesive Membrane is a cold applied product, suitable for use as a Type A Barrier Membrane (Tanking Membrane) for above and below ground applications e.g. basements, retaining walls and lift pits.

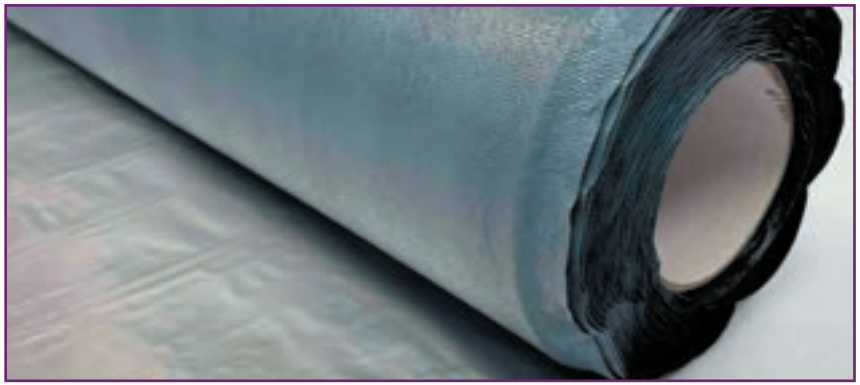
It is also suitable for use in all types of buildings to prevent the ingress of harmful levels of ground gases e.g. methane, carbon dioxide and radon.

The membrane can be applied to a variety of substrates including concrete, blockwork, brickwork, particle boards and steelwork, in both vertical and horizontal applications.

The membrane can be used to achieve waterproofing to Grades 1, 2 and 3 as defined in BS 8102:2022.

Features and benefits

- BBA certified - third party accreditation
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- Complies with BS 8485:2015 + A1:2019 - industry standard for methane and carbon dioxide protection
- Flexible - easy to detail and install on site
- Multifunctional - also acts as a radon and damp proof membrane
- Self adhesive application - no jointing tapes required
- Radon resistant - third party testing



Installation

Visqueen Gas Resistant Self Adhesive Membrane lap joints should be a minimum of 150mm and should be pressed and rollered to form a continuous bond and to ensure watertightness.

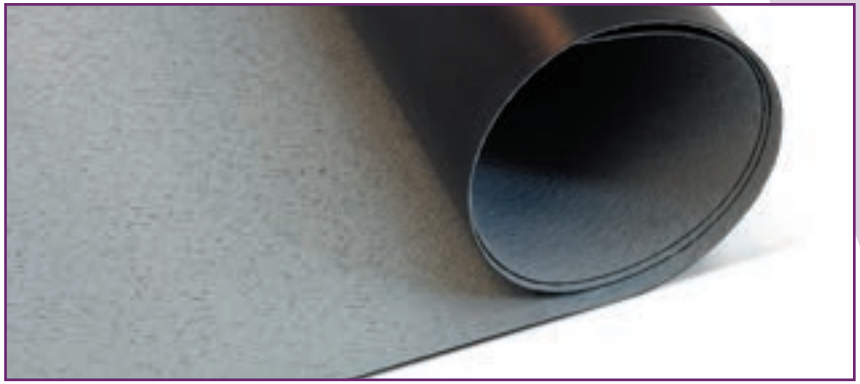
At 90 degree changes of direction a Visqueen Axiom UniSeal fillet should be formed prior to membrane installation. Substrates must be primed with Visqueen HP Tanking Primer.

For vertical applications cut the membrane to a suitable length allowing an additional 150mm for laps. Position and peal back release film and apply the self adhesive face to the substrate. Apply pressure to ensure a full bond is achieved. Commence at the top of the wall and work downwards, progressively removing the release film.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen HP Tanking Primer, 5L
- Visqueen Ultimate Top Hat Units
- Visqueen TreadGUARD 1500, 1m x 2m
- Visqueen Protect&Drain
- Visqueen Pile Cap Sealer, 25kg
- Visqueen IGW5 and IGW10 Waterstops

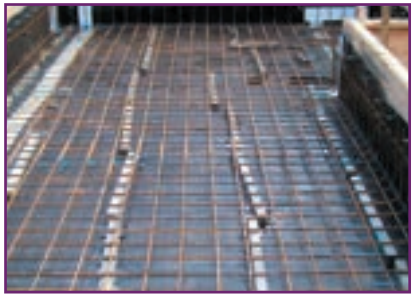


Installation

Visqueen Pre Applied Membrane should be loose laid on horizontal substrates and pre-applied to vertical substrate with the grey textured side facing towards the wet cast concrete so that a key to the concrete can be achieved.

The membrane has been designed to exhibit superior welding properties using hot wedge, hot air or extrusion welding, therefore onsite welding of all lap joints is recommended for all applications, and should be employed when hydrostatic water pressure is present.

For full installation instructions, please see product Technical Datasheet



System components

- Visqueen Ultimate Double Sided Jointing Tape, 100mm x 15m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Ultimate Retaining Discs, 50mm long x 35mm head diameter x 500 per box
- Visqueen Top Hat Units
- Visqueen Preformed Units

Product description

Visqueen Pre Applied Membrane is a 1mm thick, robust co-extruded waterproofing membrane. It is coloured grey on the upper surface and black on the reverse. The grey surface is textured to aid adhesion to cast concrete.

The membrane is supplied in single would rolls (not folded), 2.44m x 41m.

Usage

Visqueen Pre Applied Membrane is a pre-applied fully bonded Type A Barrier Membrane (Tanking Membrane) for use with below ground reinforced concrete structures e.g. basements, retaining walls, lift pits and car parks.

The pre-applied membrane can be used to achieve waterproofing to Grades 1, 2 and 3 as defined in BS 8102:2022.

Features and benefits

- Agrément certified - third party accreditation
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- High resistance to puncture - greatly reduces risk of barrier becoming damaged during the build process
- Multifunctional - also acts as a radon and damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded

BDA Agrément BAF-18-057-P-A-UK

Product description

Visqueen TorchOn Tanking Membrane is a modified bitumen rubber tanking membrane. It has a sanded finish to the top surface and a heat dispersible film on the underside. The roll is supplied 1m x 8m.

Usage

Visqueen TorchOn Tanking Membrane is a heat bonded product, suitable for use as a Type A Barrier Membrane (Tanking Membrane) for above and below ground applications e.g. basements, retaining walls and lift pits.

The membrane should be applied as a two layer system when used as a tanking system for below ground structures where high levels of hydrostatic (water) pressure exist. The membrane can be used as a single layer system when used as a horizontal damp proofing membrane or in low risk situations.

When applied as a two layer system the product is suitable for waterproofing podium decks.

Features and benefits

- BBA certified - third party accreditation
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- Complies with BS 8485:2015 + A1:2019 - industry standard for methane and carbon dioxide protection
- Flexible - easy to detail and install on site
- Multifunctional - also acts as a radon and damp proof membrane
- Heat bonded application - no jointing tapes required
- Heat bonded application - ideal for cold and damp conditions

Installation

Visqueen TorchOn Tanking Membrane side and end laps to be minimum 150mm. All lap joints should be fully bonded; a bead of bitumen should extrude from the joint.

The membrane must be fully bonded to the prepared substrate using the gas torch-on technique. For horizontal work, an approximate 500mm neck tube and 50mm diameter propane gas burner should be used and for vertical and detailing work, an approximate 200mm neck tube and 35mm diameter propane gas burner is appropriate. During bonding, ensure that a constant flow of bitumen is maintained across the full width of the roll and that a bead of bitumen is extruded from each edge demonstrating that a correct seal has been obtained.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen HP Tanking Primer, 5L
- Visqueen TreadGUARD 1500, 1m x 2m
- Visqueen Protect&Drain
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m
- Visqueen Pile Cap Sealer, 25kg
- Visqueen IGW5 and IGW10 Waterstops

Installation

Visqueen Self Adhesive Membrane lap joints should be a minimum of 150mm and should be pressed and rollered to form a continuous bond and to ensure watertightness.

At 90 degree changes of direction a Visqueen Axiom UniSeal fillet should be formed prior to membrane installation. Substrates must be primed with Visqueen HP Tanking Primer.

For vertical applications cut the membrane to a suitable length allowing an additional 150mm for laps. Position and peal back release film and apply the self adhesive face to the substrate. Apply pressure to ensure a full bond is achieved. Commence at the top of the wall and work downwards, progressively removing the release film.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen HP Tanking Primer, 5L
- Visqueen Top Hat Units
- Visqueen TreadGUARD 1500, 1m x 2m
- Visqueen Protect&Drain
- Visqueen Pile Cap Sealer, 25kg
- Visqueen IGW5 and IGW10 Waterstops

Product description

Visqueen Self Adhesive Membrane is a modified bitumen rubber membrane with a self adhesive coating protected by a removable polyethylene release film. It is dark grey on the upper surface and supplied in rolls 1m x 20m.

Usage

Visqueen Self Adhesive Membrane is a cold applied product, suitable for use as a Type A Barrier Membrane (Tanking Membrane) for above and below ground applications e.g. basements, retaining walls and lift pits. The membrane can be applied to a variety of substrates including concrete, blockwork, brickwork, particle boards and steelwork, in both vertical and horizontal applications.

The membrane can be used to achieve waterproofing to Grades 1, 2 and 3 as defined in BS 8102:2022.

Features and benefits

- BBA certified - third party accreditation
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- Flexible - easy to detail and install on site
- Multifunctional - also acts as a radon and damp proof membrane
- Self adhesive application - no jointing tapes required

VISQUEEN SELF ADHESIVE MEMBRANE

Product description

Visqueen Ultimate GeoSeal is a 1mm thick, robust and chemically co-extruded product, that is hydrocarbon, volatile organic compound (VOC) and a gas resistant waterproofing membrane. It is coloured grey on the upper surface and black on the reverse.

The grey surface is textured to aid adhesion to cast concrete.

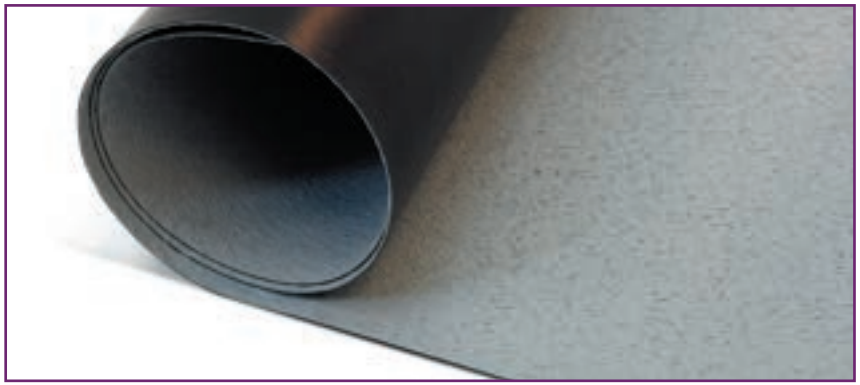
The barrier is supplied in single wound rolls (not folded), 2.44m x 41m.

Usage

Visqueen Ultimate GeoSeal is a pre-applied fully bonded Type A Barrier Membrane (Tanking Membrane) for use with below ground reinforced concrete structures e.g. basements, retaining walls, lift pits and car parks. The barrier also prevents the ingress of harmful levels of volatile organic compounds (VOCs) and hazardous ground gases.

Features and benefits

- Agrément certified - third party accreditation
- Complies with CIRIA C748:2014 - industry standard for volatile organic compounds (VOC) protection
- Complies with BS 8485:2015 + A1:2019 - industry standard for methane and carbon dioxide protection
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- High resistance to puncture - greatly reduces risk of barrier becoming damaged during the build process
- Multifunctional - also acts as a radon and damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded



Installation

Visqueen Ultimate GeoSeal should be loose laid on horizontal substrates and pre-applied to vertical substrate with the grey textured side facing towards the wet cast concrete so that a key to the concrete can be achieved.

The barrier has been designed to exhibit superior welding properties using hot wedge, hot air or extrusion welding, therefore onsite welding of all lap joints is recommended for all applications, and should be employed when hydrostatic water pressure or hydrocarbon/VOC contamination is present.

Alternatively, when the barrier is used for damp proofing, ground gas protection and sites where hydrostatic water pressure or hydrocarbon/VOC contamination is of low risk, lap joints can be bonded with Visqueen Ultimate Double Sided Jointing Tape and sealed with Visqueen GR Lap Tape.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Ultimate Double Sided Jointing Tape, 100mm x 15m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Ultimate Retaining Discs, 50mm long x 35mm head diameter x 500 per box
- Visqueen Ultimate Top Hat Units
- Visqueen Preformed Units

Installation

Installation must be in accordance with BBA certificate 20/5783. Visqueen IGW Admix is used in the ratio of one 4.1kg bag for each 1m^3 of concrete.

Ready Mix Plant - add the Visqueen IGW Admix soluble bag and contents to water e.g. approximately 2 bags (8.2kg) of admix mixed with 10L of water. Pour the required amount of material into the drum of the ready-mix truck. The aggregate, cement and water should be batched and mixed in the plant in accordance with standard practices (taking into account the quantity of water that has already been placed in the ready-mix truck). Pour the concrete into the truck and mix for at least 5 minutes to ensure even distribution of the admix throughout the concrete.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen IGW5 and IGW10 Waterstops
- Visqueen IGW Pipe Strap
- Visqueen Waterstop Adhesive, 310ml cartridge

Product description

Visqueen IGW Admix is a crystalline waterproofing admixture powder consisting of a blend of specially selected chemicals. The Admix is suitable for CEM 1 (100% cement content) and CEM 2 (up to 35% cement replacement) mixes. When combined with ready mix concrete at batching plant, it produces a crystalline reaction which enhances water resistance and durability of the cured concrete. The product is available in a tub consisting of six 4.1 kg soluble bags and used in the ratio of one 4.1kg bag for each 1m^3 of concrete.

Usage

Visqueen IGW Admix is used to provide Type B watertight concrete protection in accordance with BS 8102:2022. Typically the product is used in reinforced concrete basement walls and floors.

When used as a combined system in accordance with BS 8102, the Type B watertight concrete is used in conjunction with a Type A barrier membrane such as Visqueen Pre Applied Membrane and/or a Type C cavity drain system such as Visqueen V8 and V20 Cavity Drain System.

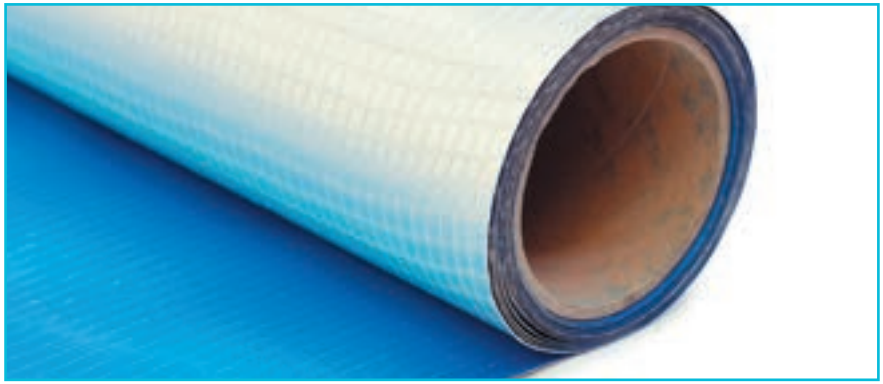
Features and benefits

- Crystalline growth - provides continuous protection for the lifetime of the concrete structure
- Reduces water penetration - reduced permeability when compared to an equivalent plain concrete
- Improves reinforcement protection - enhanced resistance to reinforcement corrosion when compared with an equivalent plain concrete
- Increases durability - more durable than an equivalent plain concrete

Gas protection

Product description

Visqueen Gas Barrier is a multi-layer reinforced polyethylene gas barrier with a 20 micron aluminium foil. The barrier is coloured blue on the upper surface and silver on the reverse. The product is supplied in single wound rolls (not folded), 2m x 50m.



Usage

Visqueen Gas Barrier is suitable for use in all types of buildings to prevent the ingress of harmful levels of ground gases e.g. methane, carbon dioxide and radon.

The barrier can be positioned above or below a solid concrete ground floor slab or above a precast suspended segmental ground floor system, e.g. beam and block floor.

The barrier can also be used as a high performance radon membrane and/or damp proof membrane.

The product is not intended for use where there is a risk of hydrostatic pressure.

Features and benefits

- BBA certified - third party accreditation
- Complies with BS 8485:2015 + A1:2019 - industry standard for methane and carbon dioxide protection
- Flexible - easy to detail and install on site
- Multifunctional - also acts as a radon and damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded

Installation

Visqueen Gas Barrier should be loose laid on the substrate with the blue side up so as to avoid sunlight glare.

The barrier should be clean and dry at the time of jointing. It should be overlapped by at least 150mm, bonded with VisqueenPro Double Sided Jointing Tape and sealed with Visqueen Gas Resistant Foil Lap Tape.

Alternatively lap joints can be heat welded to achieve an effective seal. Welded lap joints can be less than 150mm provided the joint integrity is not compromised.

Airtight seals should be formed around all service entry points.

Forming an effective barrier to gases may give rise to complex three-dimensional detailing where, it is recommended Visqueen Preformed Units are used e.g. corners.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Double Sided Jointing Tape, 50mm x 10m
- Visqueen Gas Resistant Foil Lap Tape, 75mm x 50m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Ultimate Top Hat Units
- Visqueen Preformed Units

Installation

Visqueen Low Permeability Gas Membrane should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. It should be overlapped by at least 150mm, bonded with VisqueenPro Double Sided Jointing Tape and sealed with Visqueen Foil Lap Tape. In demanding site conditions seal lap joints with Visqueen GR Lap Tape.

Alternatively lap joints can be heat welded to achieve an effective seal. Welded lap joints can be less than 150mm provided the joint integrity is not compromised.

Airtight seals should be formed around all service entry points.

Forming an effective barrier to gases may give rise to complex three-dimensional detailing where, it is recommended Visqueen Preformed Units are used e.g. corners.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Double Sided Jointing Tape, 50mm x 10m
- Visqueen Gas Resistant Foil Lap Tape, 75mm x 50m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Ultimate Top Hat Units
- Visqueen Preformed Units
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m

Product description

Visqueen Low Permeability Gas Membrane is a robust co-polymer thermoplastic gas membrane, 0.5mm thick, yellow in colour and supplied 4m x 12.5m in a center folded roll.

Usage

Visqueen Low Permeability Gas Membrane is suitable to prevent the ingress of harmful levels of ground gases for housing applications where NHBC are the warranty provider and the site has been classified as Amber 1. In this application, the membrane is used above a precast suspended segmental ground floor system, for example a beam and block floor.

The membrane can also be used as a high performance radon membrane and/or damp proof membrane positioned within the ground floor construction either above or below the structural floor.

The product is not intended for use where there is a risk of hydrostatic pressure.

Features and benefits

- BBA certified - third party accreditation
- Complies with NHBC Amber 1 - suitable for low gas risk NHBC housing sites
- Flexible - easy to detail and install on site
- Supplied centre folded - reduces the risk of cracks in screed and limits creases
- Multifunctional - also acts as a radon and damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded

VISQUEEN LOW PERMEABILITY GAS MEMBRANE

VISQUEEN RADON R400 MEMBRANE

Product description

Visqueen Radon R400 is a 0.4mm thick co-polymer thermoplastic membrane. The product is red in colour and supplied 4m x 20m in a multi-folded roll.

Usage

Visqueen Radon R400 is used to prevent the ingress of radon in both basic and full radon protection areas. The membrane can be positioned within the ground floor construction either above or below the structural floor.

The product is not intended for use where there is a risk of hydrostatic pressure.

Features and benefits

- BBA certified - third party accreditation
- 0.4mm (1600 gauge) thick - complies with new BBA regulations for radon protection membranes in line with BS 8485:2015+A1:2019
- Increased thickness - provides greater impact properties and protection from following trades
- Conforms to BR 211:2015 - industry guidance for radon protection
- Multifolded - easy to handle and transport
- Multifunctional - also acts as a damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded

Installation

Visqueen Radon R400 should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. Joints should be overlapped by at least 150mm, bonded with VisqueenPro Double Sided Tape and sealed with either VisqueenPro Single Sided Tape or Visqueen Gas Resistant Foil Lap Tape.

Airtight seals should be formed around all service entry points. Visqueen Preformed Top Hat Units should be used for sealing service entry pipes.

Forming an effective barrier to radon may give rise to complex three-dimensional detailing where, it is recommended Visqueen Preformed Units are used e.g. corners.

When reinforced concrete is to be laid over the membrane the wire reinforcements and spacers must be prevented from puncturing the membrane.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Double Sided Jointing Tape, 50mm x 10m
- VisqueenPro Single Sided Tape, 75mm x 25m
- Visqueen Gas Resistant Foil Lap Tape, 75mm x 50m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Top Hat Units
- Visqueen Preformed Units

Installation

Visqueen Liquid Gas Membrane can be applied directly from the tin using a roller or brush, or transferred to a more appropriate container and applied by roller. Do not pour directly onto the surface.

The liquid is suitable for use on insulated concrete formwork (ICF) as a priming solution to provide the optimum surface prior to the application of Visqueen Self Adhesive Membrane, Visqueen Gas Resistant Self Adhesive Membrane or VisqueenPro Detailing Strip. For this specific application, apply one coat at a coverage rate of 0.25 litre/m^2 and allow to dry.

For gas or waterproofing applications to either horizontal or vertical substrates, apply three coats at a coverage rate of 0.5 litre/m^2/ coat. Allow each coat to dry before application of the following coat.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m

Product description

Visqueen Liquid Gas Membrane is a blue-grey, single component liquid damp proof, gas proof and waterproof membrane. It is supplied in 20kg tins.

Usage

Visqueen Liquid Gas Membrane is suitable for damp proofing, gas proofing and waterproofing a variety of substrates including concrete, masonry and metal, above and below ground level including retaining walls, cast concrete, precast concrete and steelwork. The product is ideal for complex detailing and difficult to reach areas.

The liquid is suitable for use on insulated concrete formwork (ICF) as a priming solution to provide the optimum surface prior to the application of Visqueen Self Adhesive Membrane, Visqueen Gas Resistant Self Adhesive Membrane or VisqueenPro Detailing Strip.

The product is not designed as a decorative coating.

Features and benefits

- Complies with BS 8485:2015 + A1:2019 - industry standard for methane and carbon dioxide protection
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2009
- No mixing required - use straight from the tin
- Versatile - ideal for complex detailing and difficult to reach areas
- Fully bonded system - self terminating at the perimeter of the installation
- Seamless application - no lap joints
- Can be applied to damp surfaces or green concrete - assists build sequencing

Product description

Visqueen Ultimate Geoseal is a 1mm thick, robust pre-applied waterproofing barrier. It is coloured grey on the upper surface and black on the reverse.

The grey surface is textured to aid adhesion to cast concrete.

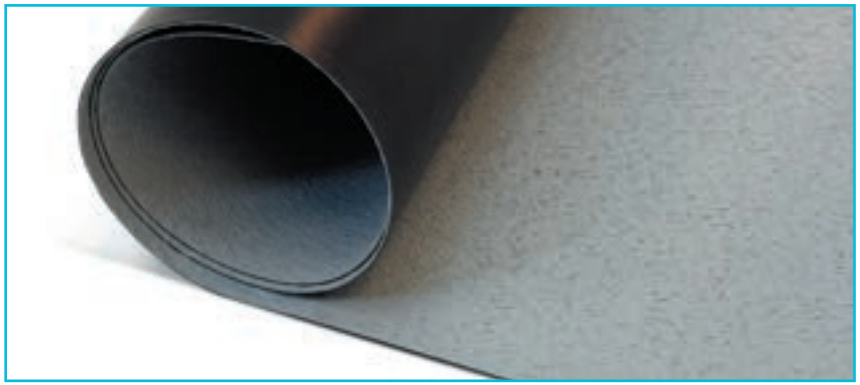
The barrier is supplied in single wound rolls (not folded), 2.44m x 41m.

Usage

Visqueen Ultimate GeoSeal is a pre-applied fully bonded Type A Barrier Membrane (Tanking Membrane) for use with below ground reinforced concrete structures e.g. basements, retaining walls, lift pits and car parks. The barrier also prevents the ingress of harmful levels of volatile organic compounds (VOCs) and hazardous ground gases.

Features and benefits

- Agrément certified - third party accreditation
- Complies with CIRIA C748:2014 - industry standard for volatile organic compounds (VOC) protection
- Complies with BS 8485:2015 + A1:2019 - industry standard for methane and carbon dioxide protection
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- High resistance to puncture - greatly reduces risk of barrier becoming damaged during the build process
- Multifunctional - also acts as a radon and damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded



Installation

Visqueen Ultimate GeoSeal should be loose laid on horizontal substrates and pre-applied to vertical substrate with the grey textured side facing towards the wet cast concrete so that a key to the concrete can be achieved.

The barrier has been designed to exhibit superior welding properties using hot wedge, hot air or extrusion welding, therefore onsite welding of all lap joints is recommended for all applications, and should be employed when hydrostatic water pressure or hydrocarbon/VOC contamination is present.

Alternatively, when the barrier is used for damp proofing, ground gas protection and sites where hydrostatic water pressure or hydrocarbon/VOC contamination is of low risk, lap joints can be bonded with Visqueen Ultimate Double Sided Jointing Tape and sealed with Visqueen GR Lap Tape.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Ultimate Double Sided Jointing Tape, 100mm x 15m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Ultimate Retaining Discs, 50mm long x 35mm head diameter x 500 per box
- Visqueen Ultimate Top Hat Units
- Visqueen Preformed Units

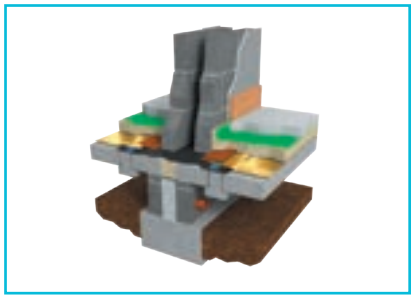
Installation

Visqueen Ultimate HC Blok should be loose laid on the substrate with the gold side up so as to avoid sunlight glare. The barrier should be clean and dry at the time of jointing. It should be overlapped by at least 150mm, bonded with Visqueen Ultimate Double Sided Jointing Tape and sealed with Visqueen GR Lap Tape.

Alternatively lap joints can be heat welded to achieve an effective seal. Welded lap joints can be less than 150mm provided the joint integrity is not compromised.

Airtight seals should be formed around all service entry points. Visqueen Ultimate Preformed Top Hat Units should be used for sealing service entry pipes. The base of the top hat and the upstand should be bonded using Visqueen Ultimate Double Sided Jointing Tape and sealed with Visqueen GR Lap Tape. The upstand should be secured with the supplied jubilee clip.

For full installation instructions, please see product Technical Datasheet



System components

- Visqueen Ultimate Double Sided Jointing Tape, 100mm x 15m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Ultimate Top Hat Units
- Visqueen Preformed Units
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m

Product description

Visqueen Ultimate HC Blok is a 0.5mm thick, chemically resistant co-extruded volatile organic compound barrier and gas barrier. It is coloured gold on the upper surface and white on the reverse. The product is supplied in single wound rolls (not folded), 2.44m x 41m.

Usage

Visqueen Ultimate HC Blok is suitable for use in all types of buildings to prevent the ingress of harmful levels of volatile organic compounds (VOCs). The barrier can be positioned above or below a solid concrete ground floor slab or above a precast suspended segmental ground floor system.

The barrier can also be used in all types of buildings to prevent the ingress of harmful levels of ground gases e.g. methane, carbon dioxide and radon. The barrier also acts as a damp proof membrane. The barrier can be positioned above or below a solid concrete ground floor slab or above a precast suspended segmental ground floor system, e.g. beam and block floor.

The product is not intended for use where there is a risk of hydrostatic pressure.

Features and benefits

- Agrément certified - third party accreditation
- Complies with CIRIA C748:2014 - industry standard for volatile organic compounds (VOC) protection
- Complies with BS 8485:2015 + A1:2019 - industry standard for methane and carbon dioxide protection
- Flexible - easy to detail and install on site
- Multifunctional - also acts as a radon and damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded

Product description

Visqueen Ultimate RadonBlok 400 is a flexible 0.4mm thick high performance co-polymer thermoplastic membrane. The product is purple in colour and supplied 4m x 25m in centre fold format. Other sizes and formats are available on request including single wound i.e. no folds.

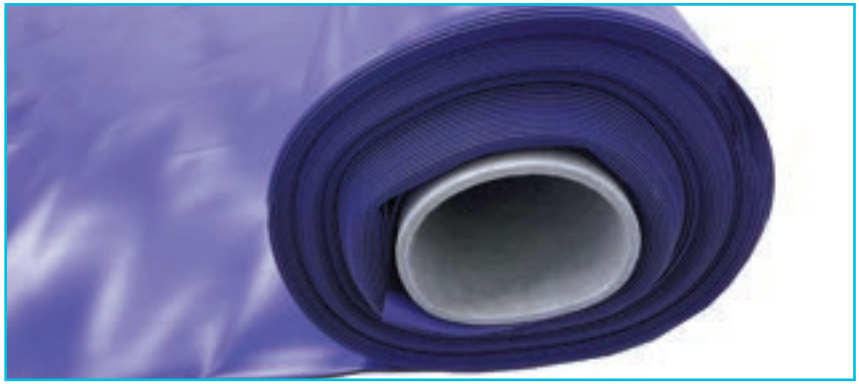
Usage

Visqueen Ultimate RadonBlok 400 is used to prevent the ingress of radon in both basic and full radon protection areas. The membrane can be positioned within the ground floor construction either above or below the structural floor.

The product is not intended for use where there is a risk of hydrostatic pressure.

Features and benefits

- Agrément certified - third party accreditation
- Conforms to BR 211:2015 - industry guidance for radon protection
- Robust - resistant to on-site damage
- Flexible - easy to detail and install on site
- Enhanced polymer technology - performs in cold weather
- Multifunctional - also acts as a damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded



Installation

Visqueen Ultimate RadonBlok 400 should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. It should be overlapped by at least 150mm, bonded with Visqueen RadonBlok Double Sided Tape and sealed with VisqueenPro Single Sided Tape.

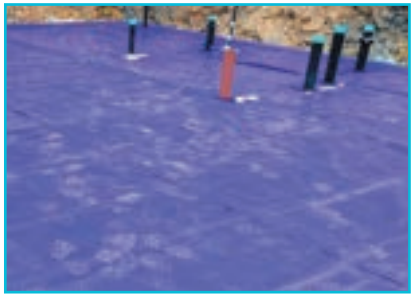
Alternatively lap joints can be heat welded to achieve an effective seal. Welded lap joints can be less than 150mm provided the joint integrity is not compromised.

Airtight seals should be formed around all service entry points. Visqueen Preformed Top Hat Units should be used for sealing service entry pipes. The base of the top hat and the upstand should be bonded using Visqueen RadonBlok Double Sided Tape and sealed with VisqueenPro Single Sided Tape. The upstand should be secured with the supplied jubilee clip.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Ultimate RadonBlok Double Sided Tape, 30mm x 30m
- VisqueenPro Single Sided Tape, 75mm x 25m
- Visqueen GR Lap Tape, 150mm x 10m
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m
- Visqueen Preformed Units
- Visqueen Top Hat Units

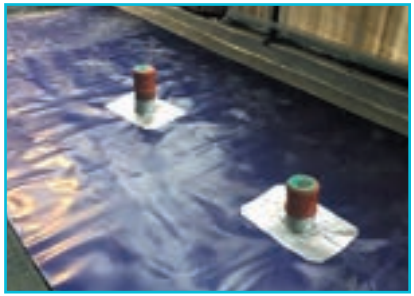


Installation

Visqueen Ultimate RadonBlok 600 should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. It should be overlapped by at least 150mm, bonded with Visqueen RadonBlok Double Sided Tape and sealed with VisqueenPro Single Sided Tape.

Alternatively lap joints can be heat welded to achieve an effective seal. Welded lap joints can be less than 150mm provided the joint integrity is not compromised. Airtight seals should be formed around all service entry points. Visqueen Preformed Top Hat Units should be used for sealing service entry pipes. The base of the top hat and the upstand should be bonded using Visqueen RadonBlok Double Sided Tape and sealed with VisqueenPro Single Sided Tape. The upstand should be secured with the supplied jubilee clip.

For full installation instructions, please see product Technical Datasheet



System components

- Visqueen Ultimate RadonBlok Double Sided Tape, 30mm x 30m
- VisqueenPro Single Sided Tape, 75mm x 25m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Top Hat Units
- Visqueen Preformed Units
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m
- Visqueen Radon Sump

Product description

Visqueen Ultimate RadonBlok 600 is a flexible 0.6mm thick high performance co-polymer thermoplastic membrane. The product is purple in colour and supplied 2m x 25m in a single wound roll (not folded).

Usage

Visqueen Ultimate RadonBlok 600 is used to prevent the ingress of radon in both basic and full radon protection areas. The membrane can be positioned within the ground floor construction either above or below the structural floor.

The product is not intended for use where there is a risk of hydrostatic pressure.

Features and benefits

- Agrément certified - third party accreditation
- Independently tested - proven radon resistance
- Conforms to BR 211:2015 - industry guidance for radon protection
- Outstanding welding characteristics - rapid installation
- Robust - resistant to on site damage
- Flexible - easy to detail and install on-site
- Multifunctional - also acts as a damp proof membrane
- Dual jointing methods - lap joints can be taped or heat welded

Product description

Visqueen Adjustable Z Vents and Airbricks.
Visqueen Airbricks are manufactured from UV stabilized polypropylene and are available in Terracotta and Black. The airbrick replaces an external masonry brick. It incorporates a front mounted louvered grill to permit airflow while blocking out wind driven rain and prohibiting large insects from gaining access.

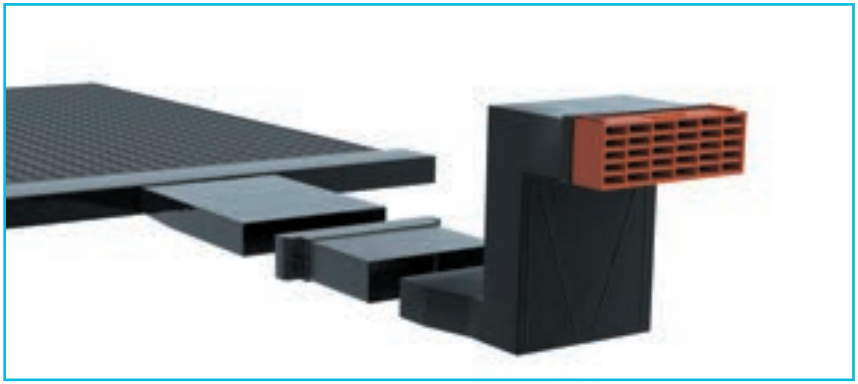
Visqueen Adjustable Z Vents are manufactured from black polypropylene and are designed to provide a clear airflow passage to the underfloor void.

Usage

Visqueen Adjustable Z Vent and Airbrick system is used within external masonry cavity wall constructions to provide a clear airflow passage to the void beneath precast suspended segmental ground floors e.g. beam and block. The system is used to achieve a passive subfloor ventilation system in accordance with BS 8485:2015 + A1:2019, effectively diluting any hazardous ground gases accumulating in the underfloor void.

Features and benefits

- Easy to install - functional solution for exhausting ground gases from underfloor voids
- Integral grille - prevents movement of vermin through vent
- Robust material - resistant to decay
- Purpose made system components - no airflow restriction through vent



Installation

Visqueen Adjustable Z Vents and Airbricks should be installed during the normal course of bricklaying. A Visqueen Zedex CPT High Performance DPC cavity tray should be fitted above the vent.

Vents and airbricks should be fitted in at least two opposing walls to create a through flow of air. The vents and airbricks should be placed at centers as stipulated in BS 8485:2015 + A1:2019 and within 450mm of each end of the wall. Bricklaying should then be completed as normal although care should be taken to keep the air flow passage clear from mortar droppings.

Where the vents require extending, Visqueen Extension Sleeves should be used.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Venting Pipework and Connectors

Installation

Ensure all below ground Visqueen Gas Vent Pipe push-fit pipework joints are secure and the sub-base is well compacted before positioning the Visqueen Gas Vent Bollard.

Connect the vent bollard to the vent pipe so that between 800mm and 900mm is visible above external ground level. Drill holes in the vent pipe corresponding to the pre-drilled holes in the lower portion of the vent bollard. Insert securing bar.

Ensure the vent bollard is vertical. Below ground level form a minimum 150mm concrete (strength class C25/30 to BS EN 206:2013 + A1:2016) surround to the vent bollard. Remove any concrete spill before it sets and clean off residue with soapy water.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Venting Pipework and Connectors

Product description

Visqueen Gas Vent Bollard is a 110mm diameter stainless steel vent bollard with a total height of 1400mm of which between 800mm - 900mm is positioned above external ground level.

Each vent bollard provides a free air flow capacity of 25000mm^2.

Usage

When installed as part of a Visqueen gas venting system, Visqueen Gas Vent Bollard will safely disperse harmful ground gases to atmosphere and, due to its design, reduces the risk of rainwater entering the void.

The vent bollard is typically used in applications where the gas dispersal system cannot be taken out through a perimeter masonry wall e.g. curtain walling and glazing systems. The vent bollard can be positioned close to the building perimeter wall or within the building landscaping e.g. adjacent to pathways

Features and benefits

- Versatile - suitable for all ground gas venting applications including volatile organic compounds (VOCs)
- Aesthetic finish - rust proof
- High free air flow capacity - reduces number of units required
- Slotted venting design - eliminates need for a sub-base soakaway

VISQUEEN GAS VENT BOLLARD

Product description

Visqueen Gas Vent Mat is a geocomposite void former comprising a cuspated high density polyethylene (HDPE) core bonded to a nonwoven polypropylene geotextile filter membrane. Visqueen Gas Vent Mat is 25mm thick and supplied in rolls 900mm x 50m

Usage

Visqueen Gas Vent Mat is designed to create a 25mm deep void beneath reinforced concrete ground floor slabs. Hazardous ground gases or volatile organic compounds (VOCs) are collected within the void and dispersed to atmosphere via a designed arrangement of Visqueen connectors and venting components, collectively managing and effectively diluting the collected gases.

Where high gas concentrations have been recorded the vent mat can be laid in a blanket format with the individual mats being butted together. Where the gas concentrations are low or where pressure relief is required the vent mat can be laid in a strip format with the mat being laid at predetermined spacings.

Features and benefits

- Large format rolls - rapid installation
- Cost effective - less contaminated soil to be removed compared to pipe and gravel systems
- Complies with BS 8485:2015 + A1:2019 - system achieves between 0.5 and 1.5 points
- Full range of system components - provides various methods of exhausting gases to atmosphere

Installation

Unroll Visqueen Gas Vent Mat in position. Turn over so that the geotextile filter membrane layer faces downwards i.e. towards the substrate.

When laid in a blanket format, all joints should be butted with the overlap strip of geotextile filter membrane extending beneath the adjacent vent mat.

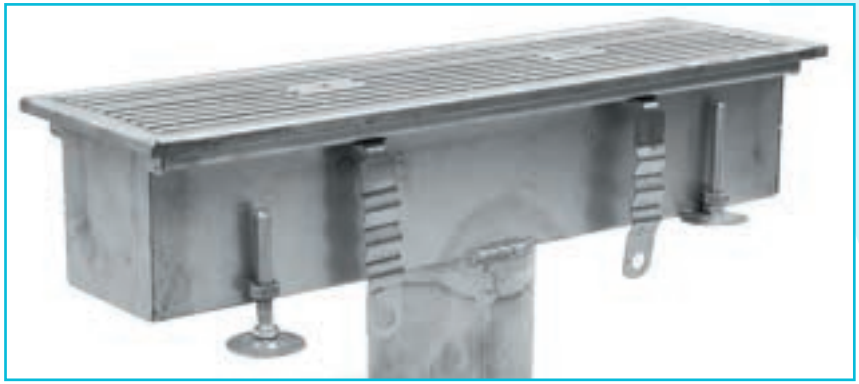
When laid in strip format, end laps should be butted with the overlap strip of geotextile filter membrane, when present, extending beneath the adjacent vent mat.

Where necessary the vent mat can be cut around columns, pipes and other such penetrations.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Venting Pipework and Connectors
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m



Installation

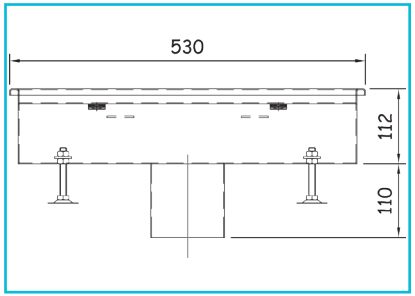
Ensure all below ground Visqueen Gas Vent Pipe push-fit pipework joints are secure and the sub-base is well compacted before positioning and leveling the VisqueenPro Gas Vent Box.

Connect the vent box to the vent pipe ensuring that the top of the vent box grating is either flush or slightly below the external ground level hard landscaping. NB. The grating must not protrude above the external ground level.

Bed the vent box on minimum 50mm concrete (Strength class C25/30 to BS EN 206:2013 + A1:2016) and surround with the same.

Remove any concrete spill before it sets and clean off residue with soapy water.

For full installation instructions, please see product Technical Datasheet



System components

- Visqueen Venting Pipework and Connectors

Product description

VisqueenPro Gas Vent Box comprises a galvanised steel base with a 110mm pipe inlet and adjustable feet for leveling purposes and to secure the box within the concrete surround. The top of the vent box measures 530mm x 153mm. The galvanised steel grating lid is secured with locking bolts. The lid is 'heel' safe approved. Each vent box provides a free air flow capacity of 20148mm^2.

Usage

VisqueenPro Gas Vent Box is a high performance ground level vent box that when installed as part of a Visqueen gas venting system will safely disperse harmful gases to atmosphere and reduce the risk of rainwater entering the void. The product can also be used to ventilate air spaces e.g. the open void below suspended precast concrete floor structures.

The vent box is typically used in applications where the gas dispersal system cannot be taken out through a perimeter masonry wall e.g. curtain walling and glazing systems. The vent box is normally positioned close to the building perimeter wall but is suitable for load class B125 to BS EN 1433:2002 which includes pedestrian precincts, light vehicles and private car parks.

Features and benefits

- Versatile - suitable for all ground gas venting applications including volatile organic compounds (VOCs)
- Tested to BS EN 1433:2002 - suitable for loads up to 12.5 tonnes
- Heel safe lids - suitable for use in pedestrian areas
- Lid locking mechanism - provides security and allows for maintenance
- System allows for water management - reduces risk of rainwater entering the void.

VISQUEEN GAS VENT BOX

Damp Proof Membranes

Damp Proof Membranes

Product description

Visqueen EcoMembrane DPM is manufactured from a minimum 90% recycled polyethylene. The product is black or blue in colour and available in three thicknesses: 0.25mm (4m x 25m) , 0.3mm (4m x 25m) and 0.5mm (4m x 12.5m). All rolls are supplied multifolded.

Please note EcoMembrane is NOT accredited for radon applications. Please use either Visqueen Ultimate RadonBlok 600 or Visqueen Radon R400 Membrane.

Usage

Visqueen EcoMembrane DPM is suitable for use in ground floor constructions, positioned above or below the structural floor, to protect buildings against moisture from the ground.

The product is not intended for use where there is a risk of hydrostatic pressure or accredited for radon applications.

Features and benefits

- BBA certified - third party accreditation
- Manufactured using a minimum 90% recycled polyethylene - diverts waste from landfill
- Versatile - range of available thickness

Installation

Visqueen EcoMembrane DPM should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. It should be overlapped by a minimum of 150mm, bonded with VisqueenPro Double Sided Jointing Tape and sealed with VisqueenPro Single Sided Tape. In demanding site conditions seal lap joints with Visqueen GR Lap Tape.

Airtight seals should be formed around all service entry points. Visqueen Preformed Top Hat Units should be used for sealing service entry pipes. The base of the top hat and the upstand should be bonded using VisqueenPro Double Sided Jointing Tape and sealed with VisqueenPro Single Sided Tape. The upstand should be secured with the supplied jubilee clip.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Double Sided Jointing Tape, 50mm x 10m
- VisqueenPro Single Sided Tape, 75mm x 25m
- Visqueen Top Hat Units
- Visqueen Preformed Units
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m
- Visqueen TreadGUARD 300, 2m x 75m

Product description

Visqueen High Performance Damp Proof Membrane is a robust co-polymer thermoplastic membrane, 0.5mm thick, yellow in colour and supplied 4m x 12.5m in a center folded roll.

Usage

Visqueen High Performance Damp Proof Membrane is suitable for use in ground floor constructions, positioned above or below the structural floor, to protect buildings against moisture from the ground.

The product is not intended for use where there is a risk of hydrostatic pressure.

Features and benefits

- BBA certified - third party accreditation
- Robust - resistant to on-site damage
- Flexible - easy to detail and install on site
- Supplied centre folded - reduces the risk of cracks in screed and limits creases
- Dual jointing methods - lap joints can be taped or heat welded

Installation

Visqueen High Performance Damp Proof Membrane should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. It should be overlapped by at least 150mm, bonded with VisqueenPro Double Sided Jointing Tape and sealed with VisqueenPro Single Sided Tape.

Airtight seals should be formed around all service entry points. Visqueen Preformed Top Hat Units should be used for sealing service entry pipes. The base of the top hat and the upstand should be bonded using VisqueenPro Double Sided Jointing Tape and sealed with VisqueenPro Single Sided Tape. The upstand should be secured with the supplied jubilee clip.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Double Sided Jointing Tape, 50mm x 10m
- VisqueenPro Single Sided Tape, 75mm x 25m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Top Hat Units
- Visqueen Preformed Units
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m
- Visqueen TreadGUARD 300, 2m x 75m
- Visqueen TreadGUARD 1500, 1m x 2m

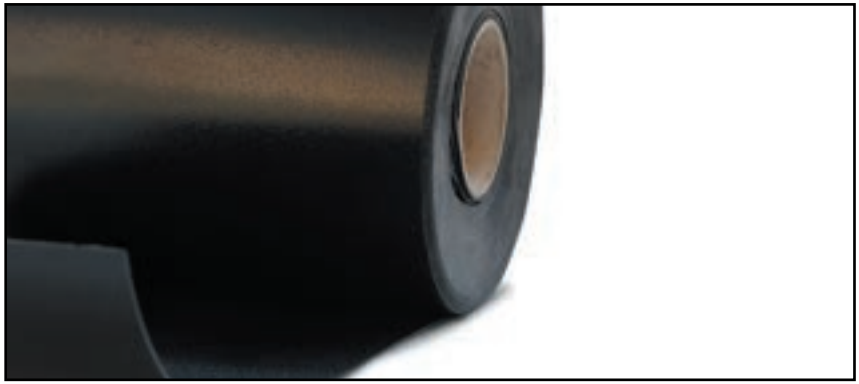
Damp Proof Course and Cavity Tray Systems

Damp Proof Course and Cavity Tray Systems

Product description

Visqueen Zedex CPT High Performance Damp Proof Course (DPC) is a black, flexible 0.8mm co-polymer thermoplastic (CPT) damp proof course and cavity tray system.

It is supplied in 20m length rolls and various widths from 100mm to 1400mm including 450mm and 600mm.



Usage

Visqueen Zedex CPT High Performance Damp Proof Course is suitable for all masonry applications including residential, commercial and multi storey buildings. It can be site formed into a built-in or surface fixed cavity tray to manage the downward passage of water in cavity wall applications. The DPC can also prevent harmful ground gases from entering into the cavity, and is suitable for use as a gas DPC for NHBC Amber 1 conditions or where radon gas exists.

Features and benefits

- BBA certified - third party accreditation
- Flexible cavity tray system - easy to detail and install on site
- Gas resistant - part of the Visqueen Low Permeability Gas Membrane system to provide gas protection to NHBC Amber 1
- Multifunctional - also acts as a radon resistant damp proof course and can be used in conjunction with the Visqueen Radon membranes to provide radon protection
- Excellent tear resistance - robust and resistant to on site damage
- Visqueen Preformed Units available - simplifies complex or awkward detailing

Installation

When built into a masonry wall construction Visqueen Zedex CPT High Performance Damp Proof Course should be installed on an even bed of wet mortar, and any perforations in adjacent courses of masonry should be completely filled with mortar. To ensure mortar adhesion, as soon as possible after laying the DPC, lay at least one further course of masonry including a bed of mortar. If positioned on the sleeper walls below a suspended ground floor e.g. beam and block floor system, the DPC can be dry laid, however all sharp protrusions must be removed from the substrate. The DPC must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

When used as a site formed cavity tray, the DPC can be either built-in to the inner leaf or surface fixed to the cavity face of the inner leaf.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Zedex Jointing Tape, 100mm x 15m
- Visqueen HP Tanking Primer, 5L
- Visqueen Zedex DPC Surface Fixing System
- Visqueen Preformed Units
- Visqueen DPC Joint Support
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m

Installation

When built into a masonry wall construction Visqueen Zedex High Bond Damp Proof Course should be installed on an even bed of wet mortar, and any perforations in adjacent courses of masonry should be completely filled with mortar. To ensure mortar adhesion, as soon as possible after laying the DPC, lay at least one further course of masonry including a bed of mortar. Where the specification requires, the DPC can be fully heat bonded to the primed substrate. The DPC must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

When used as a site formed cavity tray, the DPC can be either built-in to the inner leaf or surface fixed to the cavity face of the inner leaf.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Zedex Jointing Tape, 100mm x 15m
- Visqueen HP Tanking Primer, 5L
- Visqueen Zedex DPC Surface Fixing System
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m

Product description

Visqueen Zedex High Bond Damp Proof Course is a heavy duty, traditional DPC and cavity tray system manufactured with a polyester reinforced carrier, rubber modified bituminous coating and surfaced on both sides with a fine silica sand. It is supplied in 8m length rolls and the following widths: 450mm, 600mm and 1000mm.

Usage

Visqueen Zedex High Bond Damp Proof Course is suitable for masonry applications including residential and commercial up to and including three storey buildings. It can be site formed into a built-in or surface fixed cavity tray to manage the downward passage of water in cavity wall applications. It can also be used on sleeper walls below a ground floor construction e.g. beam and block floor system.

Due to its superior mortar adhesion, the DPC is ideal for use on buildings where a low imposed load occurs but a high mortar bond is required e.g. parapet walls, beneath masonry coping or capping. The DPC reduces the risk of masonry slippage due to poor mortar adhesion.

Features and benefits

- Manufactured in excess of British Standard - traditional DPC and cavity tray system
- Excellent mortar adhesion - ideal for low compressive load applications
- Versatile heat bonded material - suitable to form complex or awkward detailing on site
- Modified bituminous coating - laps can be tape bonded or heat bonded

Damp Proof Course and Cavity Tray Systems

Product description

Visqueen Zedex Housing Grade Damp Proof Course (DPC) is a black, fexible 0.6mm damp proof course and cavity tray system. It is supplied in 20m length rolls and the following widths: 100mm, 112.5mm, 150mm, 225mm, 300mm, 337.5mm, 450mm, 600mm, 750mm and 900mm..

Usage

Visqueen Zedex Housing Grade Damp Proof Course is suitable for residential masonry applications up to 3 storeys high. It can be site formed into a built-in or surface fixed cavity tray to manage the downward passage of water in cavity wall applications. The DPC should be fully supported along its length i.e. supported by the lintel. The DPC can also be used on sleeper walls below a ground floor construction e.g. beam and block floor system.

Features and benefits

- BBA certified - third party accreditation
- Flexible cavity tray system - easy to detail and install on site
- Good tear resistance - robust and resistant to on site damage
- Versatile applications - widths from 100mm to 900mm
- Visqueen Preformed Units available - simplifies complex or awkward detailing

Installation

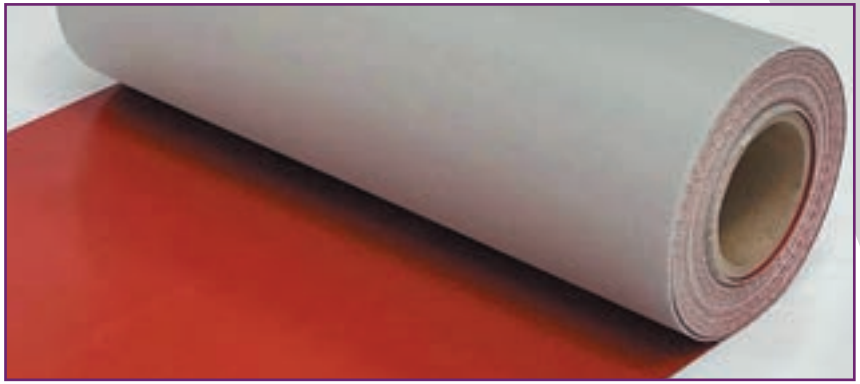
When built into a masonry wall construction Visqueen Zedex Housing Grade Damp Proof Course should be installed on an even bed of wet mortar, and any perforations in adjacent courses of masonry should be completely filled with mortar. To ensure mortar adhesion, as soon as possible after laying the DPC, lay at least one further course of masonry including a bed of mortar. If positioned on the sleeper walls below a suspended ground floor e.g. beam and block floor system, the DPC can be dry laid, however all sharp protrusions must be removed from the substrate. The DPC must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

When used as a site formed cavity tray, the DPC can be either built-in to the inner leaf or surface fixed to the cavity face of the inner leaf. The DPC should be supported along its length i.e supported by the lintel.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Zedex Jointing Tape, 100mm x 15m
- Visqueen HP Tanking Primer, 5L
- Visqueen Zedex DPC Surface Fixing System
- Visqueen Preformed Units
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m



Installation

Visqueen Zedex Non-Combustible DPC must be installed with the red surface facing upwards or outwards i.e. facing towards the direction of moisture penetration.

When built into the outer leaf of a masonry wall construction the DPC should be installed on an even bed of fresh mortar, and any perforations in adjacent courses of masonry should be completely filled with mortar. To ensure mortar adhesion, as soon as possible after laying the DPC, lay at least one further course of masonry including a fresh bed of mortar. The DPC must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

When used as a site formed cavity tray, the DPC can be either built-in to the inner leaf or surface fixed to the cavity face of the inner leaf depending upon the type of wall construction.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Zedex Mastic, 380ml
- Visqueen Non-Combustible Fixing Strip, 25mm x 1240mm
- Visqueen Non-Combustible Preformed Units
- Visqueen DPC Joint Support

Product description

Visqueen Zedex Non-Combustible Damp Proof Course (DPC) achieves a reaction to fire classification A2 - s1, d0 which is denoted as non-combustible in the UK Government's Ministry of Housing, Communities and Local Government Advice for Building Owners of Multi-storey, Multi-occupied Residential Buildings, section 1.17 and 1.18 (January 2020). The product is compliant with the requirements of The Building Regulations 2010 (England and Wales) (as amended) and The Building (Scotland) Regulations 2004 (as amended).

Usage

Visqueen Zedex Non-Combustible Damp Proof Course and cavity tray is designed for cavity wall constructions including those with a structural framing system inner leaf and a masonry outer leaf, in residential, commercial and multi-storey buildings.

The product is used where a DPC or DPC cavity tray is required to achieve a reaction to fire classification A2 - s1, d0 to BS EN 13501-1:2018.

Features and benefits

- Achieves a reaction to fire classification A2 - s1, d0 to BS EN 13501-1:2018 by Warrington Fire - compliant with UK Building Regulations
- NHBC Accepts Certificate 3868 - approved for use on NHBC sites as a non-combustible cavity tray system
- Flexible cavity tray system - lightweight, easy to detail and install on site
- Excellent strength and tear resistance - robust and resistant to on-site damage
- Visqueen Non-Combustible Preformed Units available - simplifies complex or awkward detailing
- Range of system components - Visqueen Non-Combustible Fixing Strip and DPC Joint Supports available

Certificate No. 3868

Damp Proof Course and Cavity Tray Systems

Product description

Visqueen Ultimate Gas DPC utilises Visqueen's Advanced Barrier Technology. The DPC is a 0.5mm thick, flexible 7 layer co-extruded film providing volatile organic compound (VOC) and ground gas resistance.

The DPC has an embossed/debossed finish, is coloured gold/white and can be installed with either surface facing upwards.

It is supplied in 20m length rolls and the following widths as standard: 500mm, 600mm, 750mm and 900mm.

Usage

Visqueen Ultimate Gas Damp Proof Course is suitable for all masonry wall applications including residential, commercial and multi storey buildings. It can be site formed into a built-in or surface fixed cavity tray to manage the downward passage of water in cavity wall applications.

The DPC is used to prevent harmful volatile organic compounds (VOCs) and hazardous ground gases from entering into the cavity from the ground or entering the building via internal walls.

Features and benefits

- Complies with CIRIA C748:2014 - industry standard for volatile organic compounds (VOC) protection
- Complies with BS 8485:2015 + A1:2019 - industry standard for methane and carbon dioxide protection
- Flexible - easy to detail and install on site
- Multifunctional - provides protection against radon, carbon dioxide, methane and VOCs
- Dual jointing methods - lap joints can be taped or heat welded
- Visqueen Ultimate Preformed Units available - simplifies complex or awkward detailing

Installation

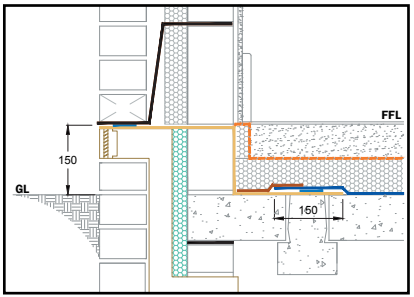
When built into a masonry wall construction the DPC should be installed on an even bed of wet mortar, and any perforations in adjacent courses of masonry should be completely filled with mortar. To ensure mortar adhesion, as soon as possible after laying the DPC, lay at least one further course of masonry including a bed of mortar. If positioned on the sleeper walls below a suspended ground floor e.g. beam and block floor system, the DPC can be dry laid, however all sharp protrusions must be removed from the substrate. The DPC must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

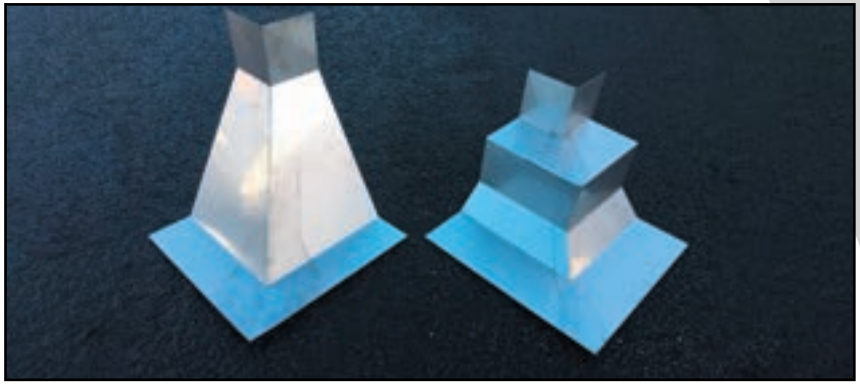
When used as a site formed cavity tray, the DPC can be either built-in to the inner leaf or surface fixed to the cavity face of the inner leaf.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Zedex Jointing Tape, 100mm x 15m
- Visqueen Zedex DPC Surface Fixing System
- Visqueen Ultimate Preformed Units
- Visqueen DPC Joint Support
- Visqueen HP Tanking Primer, 5L





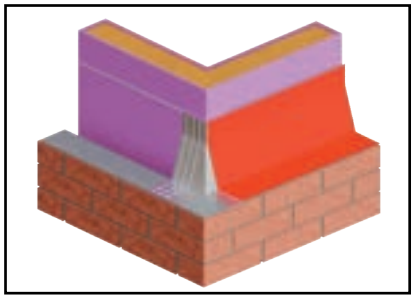
Installation

When used for sealing complex junctions in cavity tray applications, VIsqueen Non-Combustible Preformed Units should be installed prior to the main run of the cavity tray material.

All DPC to Preformed Unit laps should be a minimum of 100mm and sealed with Visqueen Zedex Mastic.

Where the Preformed Unit is surface fixed to the inner leaf of a cavity wall construction, the vertical portion of the unit should be sealed to the inner leaf with Visqueen Zedex Mastic. Visqueen Non-Combustible Fixing Strip should be used to secure the upper edge of the unit to provide a permanent mechanical fix using stainless steel fixings appropriate for the substrate.

For full installation instructions, please see product Technical Datasheet



System components

- Visqueen Zedex Mastic, 380ml
- Visqueen Non-Combustible Fixing Strip, 25mm x 1240mm

Product description

Visqueen Non-Combustible Preformed Units are factory manufactured, made to order, three dimensional shapes. The units are manufactured as standard from stainless steel to BS EN 10088 grade 1.4301 (BS 1449 grade 304).

Usage

Visqueen Non-Combustible Preformed Units are designed for detailing complex or awkward junctions in cavity wall constructions including those with a structural framing system inner leaf and a masonry outer leaf, in residential, commercial and multi-storey buildings.

In conjunction with Visqueen Zedex Non-Combustible DPC and associated system components, the units are used where a DPC cavity tray is required that achieves a minimum reaction to fire classification A2 - s1, d0 to BS EN 13501-1:2018.

Care should be taken by the Designer to ensure suitability for applications other than those stated above.

Features and benefits

- Range of rigid non-combustible units - provides optimum cavity tray design solutions
- Factory manufactured - reduces the risk of water ingress
- Three dimensional shapes - simplifies complex detailing
- Extensive range - suitable for a variety of awkward cavity tray locations such as corners or changes in level
- Versatile - available for different surface fixed cavity tray profiles
- Cost effective - speeds up installation on site

VISQUEEN NON-COMBUSTIBLE PREFORMED UNITS

Damp Proof Course and Cavity Tray Systems

Product description

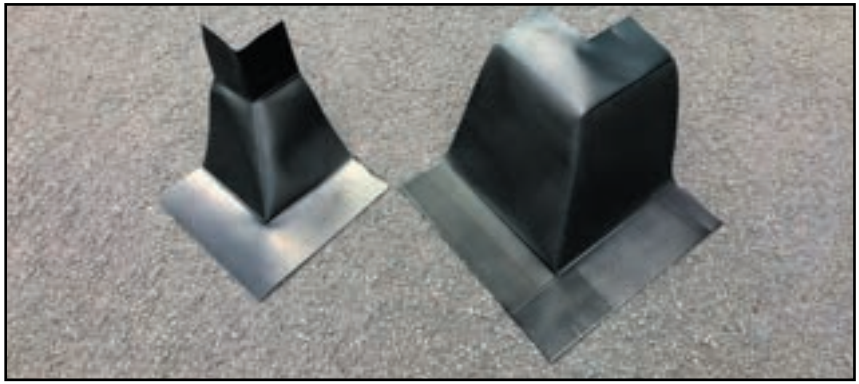
Visqueen Preformed Units (PFUs) are factory manufactured three dimensional shapes. The units are formed from either Visqueen Zedex CPT High Performance DPC (Zedex Units) or Visqueen Ultimate Gas DPC (Ultimate Units).

Usage

Visqueen Preformed Units are suitable for detailing complex or awkward junctions in masonry wall applications including residential, commercial and multi storey buildings. The units can also be used for complex junctions associated with membrane applications within floor constructions, e.g. door thresholds and corners etc. The units can also be used to prevent harmful ground gases from entering into the building at the above junctions.

Features and benefits

- Factory manufactured - reduces the risk of water ingress
- Three dimensional shapes - simplifies complex detailing
- Flexible materials - easy to install on site
- Extensive range - ideal for built-in and surface fixed cavity tray applications
- Versatile - suitable for both damp and gas proofing applications
- BBA/BDA certified - third party certifications
- Cost effective - speeds up installation on site
- Multifunctional - compatible with all Visqueen damp and gas proof courses and membranes



Installation

When used for sealing complex junctions in cavity tray applications, VIsqueen Preformed Units should be installed prior to the main run of the cavity tray material, and the lap joints bonded with Visqueen Zedex DPC Jointing Tape.

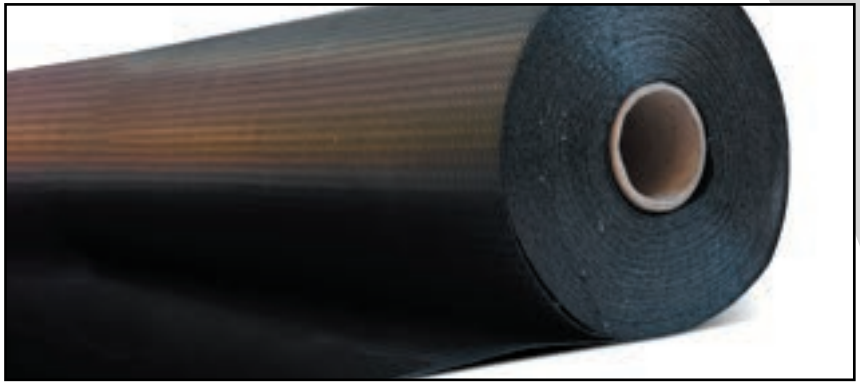
Where the Visqueen Preformed Unit is required to be surface fixed to the inner leaf of a cavity wall construction the vertical portion of the unit should be bonded to the inner leaf with Visqueen Zedex DPC Jointing Tape, the substrate having been previously primed with Visqueen High Performance Tanking Primer and allowed to dry.

Visqueen Zedex DPC Fixing Strip should be used to secure the upper edge of the unit using appropriate Visqueen Fixing Pins (or alternative approved) to provide a permanent mechanical fix.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Zedex Jointing Tape, 100mm x 15m
- Visqueen Zedex DPC Surface Fixing System



Installation

When built into a masonry wall construction Visqueen Polyethylene Damp Proof Course should be installed on an even bed of wet mortar, and any perforations in adjacent courses of masonry should be completely filled with mortar. To ensure mortar adhesion, as soon as possible after laying the DPC, lay at least one further course of masonry including a bed of mortar. If positioned on the sleeper walls below a suspended ground floor e.g. beam and block floor system, the DPC can be dry laid, however all sharp protrusions must be removed from the substrate. The DPC must extend through the full thickness of the masonry wall, including pointing, applied rendering or other facing materials.

All DPC to DPC laps should be a minimum of 100mm and bonded with Visqueen Zedex Jointing Tape.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Zedex Jointing Tape, 100mm x 15m

Product description

Visqueen Polyethylene Damp Proof Course is a black, flexible 0.5mm damp proof course suitable for masonry wall constructions. It is supplied in 30m length rolls and the following widths: 100mm, 112.5mm, 150mm, 225mm, 300mm, 337.5mm, 450mm, 600mm, 900mm and 1200mm.

Usage

Visqueen Polyethylene Damp Proof Course is suitable for various masonry applications in accordance with Appendix D of BS 6515:1984.

Features and benefits

- Manufactured to British Standard - achieves minimum DPC requirements
- Post use recycled content in excess of 90% - diverts waste from landfill
- Diamond embossed surface - improves mortar adhesion
- Minimum DPC standard - cost effective option

Stormwater

Product description

Visqueen High Performance Urban Drainage Geomembrane is a robust thermoplastic geomembrane, black in colour, 1mm thick and supplied in single wound rolls (not folded), 1.4m x 50m.

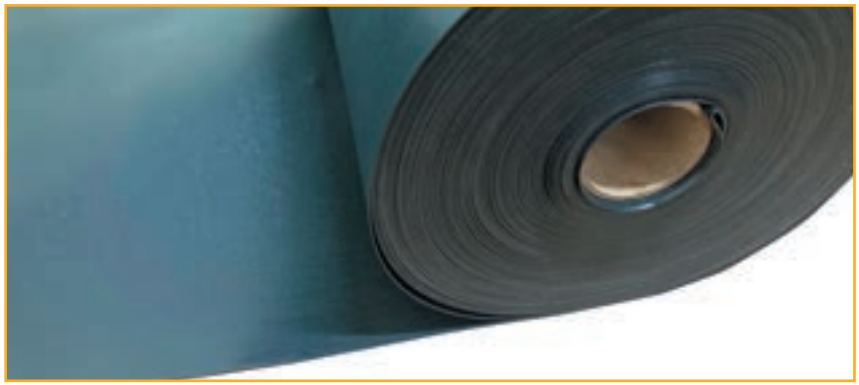
Usage

Visqueen High Performance Urban Drainage Geomembrane is a robust flexible chemically inert geomembrane suitable for a variety of geomembrane applications including the wrapping of underground stormwater attenuation crates in heavy duty situations (high water table), and as an impermeable membrane placed on top of the subgrade formation level and to the sides of the sub-base within a permeable paving system.

The product is also suitable for use in applications such as containment and cut-off trenches, lagoons, canals and artificial lakes.

Features and benefits

- Multifunctional geomembrane for demanding situations - suitable for use in stormwater attenuation systems and as an impermeable membrane in permeable paving systems
- Robust - resistant to on site damage and puncture under high compressive loads
- Flexible - easy to detail and install on site
- Dual jointing methods - lap joints can be taped or heat welded



Installation

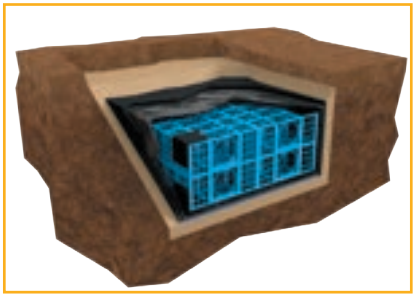
Visqueen High Performance Urban Drainage Geomembrane should be clean and dry at the time of jointing. The membrane exhibits superior welding properties making it ideal for on-site welding of joints and this method should be employed wherever possible. In certain applications the sealing of laps can be achieved using tapes. When taping joints, overlap by at least 150mm, bond with Visqueen UDG Double Sided Jointing Tape and seal lap joints with Visqueen GR Lap Tape. All lap joints should be pressed and rollered to ensure a completely sealed joint is achieved.

Where the depth of the stormwater attenuation crates equal or exceed 3 crates, lap joints should be heat welded.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Urban Drainage Geomembrane (UDG) Double Sided Jointing Tape, 100mm x 15m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Top Hat Units
- Visqueen TreadGUARD 300, 2m x 75m



Installation

Visqueen Urban Drainage Geomembrane should be clean and dry at the time of jointing. It should be overlapped by at least 150mm and the lap bonded with Visqueen UDG Double Sided Jointing Tape. In demanding site conditions also seal lap joints with Visqueen GR Lap Tape. All lap joints should be pressed and rollered to ensure a completely sealed joint is achieved.

Visqueen Preformed Top Hat Units should be used for sealing pipe penetrations. The base of the top hat and the upstand should be bonded using Visqueen UDG Double Sided Jointing Tape. The upstand should be secured with the supplied jubilee clip. Alternatively VisqueenPro Detailing Strip can be used to seal pipe penetrations. If the geomembrane is punctured or perforated a patch of the same material should be lapped at least 150mm beyond the limits of the puncture and bonded with Visqueen UDG Double Sided Jointing Tape.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Urban Drainage Geomembrane (UDG) Double Sided Jointing Tape, 100mm x 15m
- Visqueen GR Lap Tape, 150mm x 10m
- Visqueen Top Hat Units
- VisqueenPro Detailing Strip, 300mm x 10m, 500mm x 10m
- Visqueen Medium Duty Protection Board
- Visqueen TreadGUARD 300, 2m x 75m

Product description

Visqueen Urban Drainage Geomembrane is a 100% recycled polyethylene geomembrane, black in colour, 0.5mm thick and supplied in multifolded rolls 4m x 12.5m.

Usage

Visqueen Urban Drainage Geomembrane is a flexible membrane suitable for a variety of geomembrane applications including the wrapping of underground stormwater attenuation crates in light duty situations (maximum 2 units deep), and as an impermeable membrane placed on top of the subgrade formation level and to the sides of the sub-base within a permeable paving system.

Features and benefits

- Multifunctional geomembrane - used in stormwater attenuation systems and as an impermeable membrane in permeable paving systems
- Flexible - easy to detail and install on site

VISQUEEN URBAN DRAINAGE GEOMEMBRANE

Air & Vapour Control

Air & Vapour Control

Product description

Visqueen A2 Vapour Barrier is a multi-layer reinforced aluminium AVCL (air and vapour control layer). The product has a reflective aluminium finish on the upper surface and a matt aluminium surface on the reverse. The barrier is supplied in single wound rolls (not folded), 1.2m x 50m long.

Usage

Visqueen A2 Vapour Barrier is used in buildings where an air and vapour control layer (AVCL) is required that achieves a reaction to fire classification A2 - s1, d0 to BS EN 13501-1:2018. The barrier is used to reduce the risk of interstitial condensation occurring within the structure as well as improving the airtightness of the building.

The barrier restricts the passage of warm, moist air within the building from permeating into the floor, wall or roof structure.

The barrier is designed to be installed to the warm side of floors, walls and roofs and is suitable for humidity classes 1, 2, 3, 4 and 5 to BS 5250:2021..

Features and benefits

- Achieves a reaction to fire classification A2 - s1, d0 to BS EN 13501-1:2018 - compliant with UK Building Regulations
- Versatile application - used within floor, wall and roof constructions
- Single wound - rapid installation

Installation

Visqueen A2 Vapour Barrier should be installed in accordance with the recommendations of BS 5250:2021 Management of moisture in buildings - code of practice. The barrier should be installed on the warm side of the insulated structure, with care being taken to ensure that all laps, penetrations and abutments are sealed. The barrier should be continuous in order to ensure optimum airtightness and vapour control performance.

All joints in the barrier should be lapped by 75mm and sealed with Visqueen FR+ Vapour Tape applied centrally over the lap. To aid formation laps should be made over a solid substrate.

Ensure barrier continuity at the junction of horizontal and vertical substrates. Seal abutments with Visqueen FR+ Vapour Tape applied centrally over the junction. Failure to suitably connect the barrier to other building elements will severely reduce airtightness and vapour control performance.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen FR+ Vapour Tape

Installation

Visqueen Fully Bonded Vapour Barrier should be installed in accordance with the recommendations of BS 5250:2021 Management of moisture in buildings - code of practice. The barrier should be installed on the warm side of the insulated structure, with care being taken to ensure that all laps, penetrations and abutments are sealed. The membrane should be continuous in order to ensure optimum vapour control performance.

All lap joints in the barrier should be a minimum of 75mm and should be pressed and rollered to form a continuous bond.

Ensure barrier continuity at the junction of horizontal and vertical substrates. Seal abutments with VisqueenPro Vapour Edge Tape applied centrally over the junction. Failure to suitably connect the barrier to other building elements will severely reduce vapour control performance.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen HP Tanking Primer, 5L
- VisqueenPro Vapour Edge Tape, 150mm x 15m

Product description

Visqueen Fully Bonded Vapour Barrier is a foil lined, rubber modified bitumen membrane with a self adhesive coating protected by a removable polyethylene release film. It is silver on the upper surface and supplied in rolls 1m x 20m.

Usage

Visqueen Fully Bonded Vapour Barrier is an air and vapour control layer (AVCL) and is used in high condensation risk buildings, or where a fully bonded vapour barrier is required to reduce the risk of interstitial condensation occurring within the structure as well as improving the airtightness of the building.

The barrier restricts the passage of warm, moist air within the building from permeating into the floor, wall or roof structure.

The barrier is designed to be installed to the warm side of floors, walls and roofs subjected to high humidity levels e.g. dwellings with high occupancy, sports halls, canteens, school classrooms, hospitals, laundries and swimming pools.

Features and benefits

- Versatile application - used within floor, wall and roof constructions
- Self adhesive application - no jointing tapes required
- Self adhesive coating - self seals around mechanical fixings

VISQUEEN FB VAPOUR BARRIER

Air & Vapour Control

Product description

Visqueen High Performance Vapour Barrier is a multi-layer reinforced polyethylene barrier with a 20 micron aluminium foil. The barrier is coloured blue on the upper surface and silver on the reverse. The product is supplied in single wound rolls (not folded), 2m x 50m long.

Usage

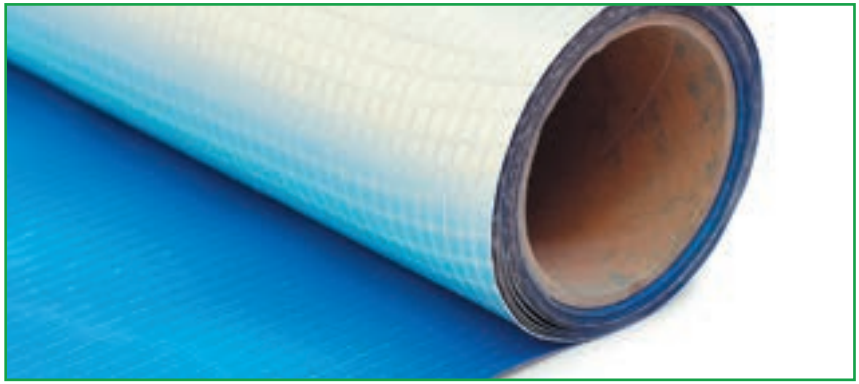
Visqueen High Performance Vapour Barrier is an air and vapour control layer (AVCL) and is used in high condensation risk buildings to reduce the risk of interstitial condensation occurring within the structure as well as improving the airtightness of the building.

The barrier restricts the passage of warm, moist air from within the building from permeating into the floor, wall or roof structure.

The barrier is designed to be installed to the warm side of floors, walls and roofs subjected to high humidity levels e.g. dwellings with high occupancy, sports halls, canteens, school classrooms, hospitals, laundries and swimming pools.

Features and benefits

- Versatile application - used within floor, wall and roof constructions
- Suitable for BS 5250:2021 humidity class 5 - prevents damage to structure and insulation
- Single wound roll - rapid installation



Installation

Visqueen High Performance Vapour Barrier should be installed in accordance with the recommendations of BS 5250:2021 Management of moisture in buildings - code of practice. The barrier should be installed on the warm side of the insulated structure, with care being taken to ensure that all laps, penetrations and abutments are sealed. The membrane should be continuous in order to ensure optimum vapour control performance.

Where the barrier is to be fixed to timber or metal studs, apply sufficient strips of VisqueenPro Double Sided Vapour Tape to the vertical and horizontal studs, head and sole plates, etc to ensure that the barrier remains in position until the plasterboard or construction board is mechanically fixed in position over the barrier. Progressively peel off the tape release film and apply the barrier ensuring adhesion at the tape locations e.g. by rollering with a seam roller.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Double Sided Vapour Tape, 20mm x 50m
- VisqueenPro Single Sided Vapour Tape, 75mm x 15m
- VisqueenPro Vapour Edge Tape, 150mm x 15m

Installation

Visqueen Vapour Barrier should be installed in accordance with the recommendations of BS 5250:2021 Management of moisture in buildings - code of practice. The barrier should be installed on the warm side of the insulated structure, with care being taken to ensure that all laps, penetrations and abutments are sealed. The barrier should be continuous in order to ensure optimum vapour control performance.

Where the barrier is to be fixed to timber or metal studs, apply sufficient strips of VisqueenPro Double Sided Vapour Tape to the vertical and horizontal studs, head and sole plates, etc to ensure that the barrier remains in position until the plasterboard or construction board is mechanically fixed in position over the barrier. Progressively peel off the tape release film and apply the barrier ensuring adhesion at the tape locations .e.g. by rollering with a seam roller.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Double Sided Vapour Tape, 20mm x 50m
- VisqueenPro Single Sided Vapour Tape, 75mm x 15m
- VisqueenPro Vapour Edge Tape, 150mm x 15m

Product description

Visqueen Vapour Barrier is a green tinted, semi-transparent polyethylene air and vapour control layer (AVCL). The membrane is supplied in single wound (not folded) 2m x 50m roll format.

Usage

Visqueen Vapour Barrier is an air and vapour control layer (AVCL) and is used in medium condensation risk buildings to reduce the risk of interstitial condensation occurring within the structure as well as improving the airtightness of the building.

The barrier restricts the passage of warm, moist air within the building from permeating into the floor, wall or roof structure.

The barrier is designed to be installed to the warm side of floors, walls and roofs.

Features and benefits

- Versatile application - used within floor, wall and roof constructions
- Single wound - rapid installation
- Semi-transparent - stud locations visible through membrane

Air & Vapour Control

Product description

Visqueen Vapour Check is a green tinted, semi transparent polyethylene air and vapour control layer (AVCL). The membrane is supplied in multifolded rolls, 2.45m x 50m and 4m x 50m.

Usage

Visqueen Vapour Check is an air and vapour control layer (AVCL) and is used in buildings to reduce the risk of interstitial condensation occurring within the structure as well as improving the airtightness of the building.

The membrane restricts the passage of warm, moist air within the building from permeating into the floor, wall or roof structure.

The membrane is designed to be installed to the warm side of floors, walls and roofs.

Features and benefits

- Versatile application - used within floor, wall and roof constructions
- Large format rolls - rapid installation
- Semi-transparent - stud locations visible through membrane

Installation

Visqueen High Performance Vapour Barrier should be installed in accordance with the recommendations of BS 5250:2021 Management of moisture in buildings - code of practice. The barrier should be installed on the warm side of the insulated structure, with care being taken to ensure that all laps, penetrations and abutments are sealed. The membrane should be continuous in order to ensure optimum vapour control performance.

Where the barrier is to be fixed to timber or metal studs, apply sufficient strips of VisqueenPro Double Sided Vapour Tape to the vertical and horizontal studs, head and sole plates, etc to ensure that the barrier remains in position until the plasterboard or construction board is mechanically fixed in position over the barrier. Progressively peel off the tape release film and apply the barrier ensuring adhesion at the tape locations .e.g. by rollering with a seam roller.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen Double Sided Vapour Tape, 20mm x 50m
- Visqueen Single Sided Vapour Tape, 50mm x 15m
- VisqueenPro Vapour Edge Tape, 150mm x 15m

Installation

Visqueen Class B FR Vapour Check should be installed in accordance with the recommendations of BS 5250:2021 Management of moisture in buildings - code of practice. The membrane should be installed on the warm side of the insulated structure, with care being taken to ensure that all laps, penetrations and abutments are sealed. The membrane should be continuous in order to ensure optimum airtightness and vapour control performance.

Visqueen FR Double Sided Vapour Tape is available for bonding the membrane to substrates such as metal or timber studs or noggings.

All joints in the membrane should be lapped by minimum 75mm and sealed with Visqueen FR Single Sided Vapour Tape applied centrally over the lap. To aid formation laps should be made over a solid substrate e.g. located on studs or noggings.

For full installation instructions, please see product Technical Datasheet

System components

- Visqueen FR Vapour Tape

Product description

Visqueen Class B FR Vapour Check is an orange tinted, semi transparent modified polyethylene AVCL (air and vapour control layer).

The membrane is supplied in centre-folded rolls 2.45m x 50m and multi-folded rolls 4m x 50m.

Usage

Visqueen Class B FR Vapour Check is used in buildings where an air and vapour control layer (AVCL) is required that achieves a reaction to fire classification B - s1, d0 to BS EN 13501-1:2018. The membrane is used to reduce the risk of interstitial condensation occurring within the structure as well as improving the airtightness of the building.

The membrane restricts the passage of warm, moist air within the building from permeating into the floor, wall or roof structure and is designed to be installed on the warm side of the structure.

For conformity with the reaction to fire classification, usage of Visqueen FR Single Sided Vapour Tape must not exceed 10% of the area of the Visqueen Class B FR Vapour Check.

Care should be taken by the Designer to ensure suitability for applications other than those stated above. Visqueen Class B FR Vapour Check should be approved by all stakeholders prior to use.

Features and benefits

- Achieves a reaction to fire classification B - s1, d0 to BS EN 13501-1:2018 - compliant with UK Building Regulations
- Versatile application - used within floor, wall and roof constructions
- Large format roll - rapid installation

VISQUEEN CLASS B FR VAPOUR CHECK

Temporary Protection

Temporary Protection

Product description

Visqueen Clear Temporary Protective Sheeting is a high quality clear polyethylene sheeting which provides high visual clarity. It is supplied on a core in rolls of 4m x 25m.

Usage

Visqueen Clear Temporary Protective Sheeting is a polyethylene sheeting that provides effective protection in demanding on-site conditions. It is suitable for screening, wrapping large objects and other site construction materials such as bricks, blocks, timber and plasterboards. It's ideal for when the protected product needs to remain visible beneath the sheeting. It can be used in various other applications whilst buildings undergo refurbishment work, or in new build construction projects whilst also providing protection from showers and dust.

Features and benefits

- Virgin polymers - providing high visual clarity
- Large roll formats - Ideal for draping, screening, covering or hanging
- Barrier properties - provides protection against showers and dust
- LDPE based - reusable and recyclable
- Multi-use - provides protection for various light duty applications whilst buildings undergo refurbishment or in new build projects
- Manufactured in the UK by Visqueen

Installation

Unroll Visqueen Clear Temporary Protective Sheeting and cut to fit the area that needs protecting.

For large covered areas it may be necessary to lap adjacent film sheets and a taped joint is recommended to ensure continuity of protection. When taping, allow an overlap of at least 50mm and secure the joint using VisqueenPro Single Sided Tape. Prior to taping ensure that the lap area is clean and free from dust and any moisture.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Single Sided Tape, 75mm x 25m

Installation

Unroll Visqueen ECO Temporary Protective Sheeting and cut to fit the area that needs protecting.

For large covered areas it may be necessary to lap adjacent film sheets and a taped joint is recommended to ensure continuity of protection. When taping, allow an overlap of at least 50mm and secure the joint using VisqueenPro Single Sided Tape. Prior to taping ensure that the lap area is clean and free from dust and any moisture.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Single Sided Tape, 75mm x 25m

Product description

Visqueen ECO Temporary Protective Sheeting range is manufactured from 100% recycled materials. It is supplied in rolls of 4m x 25m in three formats:

- General Purpose TPS
- Heavy Duty TPS
- Extra Heavy Duty TPS.

Usage

Visqueen ECO Temporary Protective Sheeting range is a temporary covering used to protect flooring, vertical, fixtures and fittings from the effects of dust. It is also durable, and helps contain dirt and any spillages. The sheeting is easy to tailor fit as it only needs to be cut into shape.

It is suitable for screening, wrapping large objects and other site construction materials such as bricks, blocks, timber and plasterboards.

It can also be used in various other applications whilst buildings undergo refurbishment work or in new build construction projects whilst also providing protection from showers and dust.

Features and benefits

- Manufactured using 100% recycled LDPE - diverts waste from landfill
- Complete range - suitable for most internal and external temporary protection applications
- Large roll formats - covers large areas fast
- Multifunctional - ideal for draping, screening, covering or hanging
- Barrier properties - provides protection against showers and dust
- LDPE based - can be reused or recycled

Temporary Protection

Product description

Visqueen Flame Retardant Polythene Protection is manufactured using virgin polymers with specific additives to ensure the product is flame retardant to LPS1207 - Loss Prevention Standard cert no. 521a/03.

The sheeting is supplied as centre folded rolls on a supporting core. Standard roll sizes are:

- 4m x 25m x 250 micron (Orange)
- 4m x 50m x 125 micron (White)
- 4m x 50m x 75 micron (White)

Usage

Visqueen Flame Retardant Polythene Protection can be used for screening off individual areas, draping and for a variety of surfaces. The product can be easily cut and re-sized for pallet hood / cover protection.

Fire retardant sheeting can be also used in various other applications whilst buildings undergo refurbishment work or in new build construction projects whilst also providing protection from dust and the risks of electrical hazards.

Features and benefits

- Fire retardant temporary protection sheeting - Manufactured in the UK by Visqueen
- LPS1207 cert.no 521a/03 - 3rd party flame retardant certification for Temporary Protection materials
- Large roll format - Ideal for draping, screening, covering or hanging. Quick and easy installation.
- Flame retardant - helps reduce the risk of losses from fires on construction sites
- 0.25mm (1000 gauge) thick - Approved for asbestos removal or wrapping film
- LDPE - Reusable and recyclable

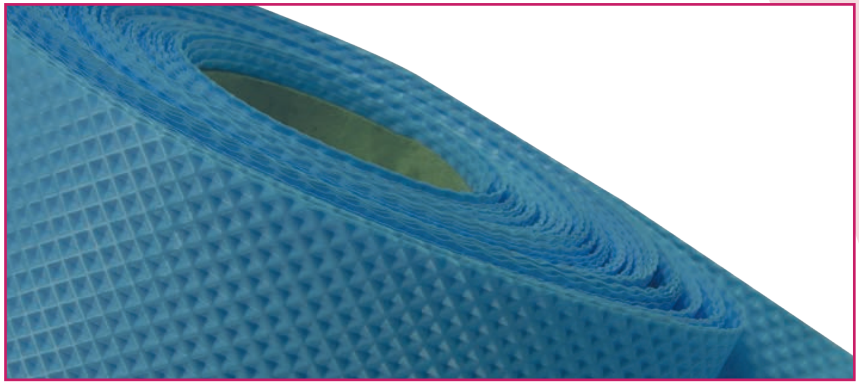
Installation

Unroll Visqueen Flame Retardant Polythene Protection and cut to fit the area that needs protecting. For large covered areas it may be necessary to lap adjacent film sheets and a taped joint is recommended to ensure continuity of protection. When taping, allow an overlap of at least 50mm and secure the joint using VisqueenPro Single Sided Tape. Prior to taping ensure that the lap area is clean and free from dust and any moisture.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Single Sided Tape, 75mm x 25m



Installation

Unroll the material and cut to fit the area to be protected. Pull protection taut to ensure that the material lies flat. Overlay adjacent sheets by 75mm and seal with VisqueenPro Single Sided Tape.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Single Sided Tape, 75mm x 25m

Product description

Visqueen Megafilm is a high quality moulded (embossed) film manufactured using virgin polymers with specific additives to ensure the product is flame retardant to LPS1207 - Loss Prevention Standard cert no. 521a/03.

The range consists of a heavy duty (1.5m or 1m x 100m) and medium duty (1.5m x 100m).

Usage

Visqueen Megafilm is a flame retardant temporary floor protection sheet which comes on a roll. It provides effective protection in various applications whilst buildings undergo refurbishment or construction. Visqueen Megafilm protects a diverse range of surfaces including carpet, hard floors, wooden floors, vinyl and stone flooring.

Features and benefits

- Complete range - Ideal for any flooring types
- Large roll format - ensures quick and easy installation
- Unique embossed design - to cushion against heavy trafficked areas and following trades.
- Flame retardant - helps reduce the risk of losses from fires on construction sites
- LDPE based - recyclable and reusable
- LPS1207 cert.no 521a/03 - 3rd party flame retardant certification
- Manufactured in the UK by Visqueen

VISQUEEN MEGAFILM

Temporary Protection

Product description

Visqueen Temporary Protective Sheeting is manufactured from 100% recycled polyethylene. The product is 125 µm thick (500 gauge / 0.125mm) and available 4m x 50m. The roll is supplied multifolded and has a nominal weight of 26.5kg.

The product is available in the following colours: natural (translucent) or black.

Usage

Visqueen Temporary Protective Sheeting is a temporary covering commonly used to protect flooring, vertical surfaces, and fixtures and fittings from the effects of dust. It is durable and helps contain dirt and any spillages.

The sheeting is available in a large format multi-folded roll which is labour saving and allows large areas to be covered fast with less jointing. The ease of fit helps speed up the protection process, reducing the risk of damage to exposed finishes.

Features and benefits

- Large roll format - Ideal for draping, screening, covering or hanging
- Barrier properties - provides protection against showers and dust
- LDPE based - recyclable and reusable
- Multi-use - provides protection for various applications whilst buildings undergo refurbishment or in new build projects

Installation

Unroll Visqueen Temporary Protective Sheeting and cut to fit the area that needs protecting. For large covered areas it may be necessary to lap adjacent film sheets and a taped joint is recommended to ensure continuity of protection. When taping, allow an overlap of at least 50mm and secure the joint using VisqueenPro Single Sided Tape. Prior to taping ensure that the lap area is clean and free from dust and any moisture.

For full installation instructions, please see product Technical Datasheet

System components

- VisqueenPro Single Sided Tape, 75mm x 25m

Installation

When supplied in roll format, simply tear off a sleeve from the roll at the perforation mark, and using the open end, pull the door sleeve over the door. Any surplus film can be folded over the top of the door and should be secured with VisqueenPro Single Sided Tape to ensure a snug fit, allowing the door to remain in operation whilst preventing cosmetic damage.

For full installation instructions, please see product Technical Datasheet

Product description

bpi FR+ Door Sleeves are manufactured using virgin polymers with specific additives to ensure the product is flame retardant to LPS1207 - Loss Prevention Standard cert no. 521a/04. It is supplied in 2 formats:

- 2200mm x 915mm - 50 sleeves per roll
- 2200mm x 915 mm - 20 sleeves per handy pack

Usage

bpi FR+ Door Sleeves are used to protect internal doors whilst buildings undergo refurbishment or construction. It also protects door furniture such as palm plates, hinges and door handles. It's universal in size and can be fitted to most metric and imperial doors.

Features and benefits

- LPS1207 cert.no 521a/04 - 3rd party flame retardant certification
- Supplied in two formats - available in handy packs or on a roll
- Flame retardant - helps reduce the risk of losses from fires on construction sites
- LDPE can be reused or recycled
- Manufactured in the UK by Visqueen

System components

- VisqueenPro Single Sided Tape, 75mm x 25m

VISQUEEN

Complete Range - Complete Solution

Sustainability

We are committed to continuing to improve our stewardship of the world around us, including the environmental impact of our products, our manufacturing facilities and our recycling activities.

VISQUEEN

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