

## Zedex High Bond DPC

### CE Mark to EN 13969

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- **Manufactured in excess of BS 6398 type A**
- **Low permeability to methane gas**
- **Superior performance in low compressive load applications**
- **Excellent mortar adhesion properties**
- **Contains no pitch or plasticisers**

#### Description

Visqueen Zedex High Bond DPC is a high performance heavy duty DPC suitable for general cavity tray applications including parapet walls, beneath copings and cappings, in gas resistant DPC applications and complex detailing work at ground level. Visqueen Zedex High Bond DPC can be torch bonded to masonry units and all laps are homogeneously sealed using the torch bonding process.

#### BS 6398: 1983 - Specification for bitumen damp-proof courses for masonry

Independently tested and verified, Zedex High Bond DPC exceeds British Standard BS6398 Type A and is suitable for use in gas contaminated land.

#### Typical Properties

Visqueen Zedex High Bond DPC is manufactured using SBS elastomeric modified bitumen with a polyester reinforcement carrier and finished with fine silica sand on both sides.

- **Compatibility** – Visqueen Zedex High Bond DPC is compatible with all materials used within normal construction, with the exception of timber preservatives based on creosotes or tar oils, however, it is unaffected by water based or salt solution timber preservatives.
- **Durability** – When correctly specified, detailed and installed, Visqueen Zedex High Bond DPC will last the lifetime of the wall structure in which it is incorporated provided it is not damaged by subsequent building operations.
- **Compressive Strength** – Visqueen Zedex High Bond DPC is capable of withstanding the loading applied by brickwork, blockwork, or stonework walls up to three storeys.

#### Applications

Visqueen Zedex High Bond DPC can be used in wall structures up to three storeys wherever a flexible and adaptable gas or damp proof course and cavity tray system is required.

#### Typical Uses

- Wet bedded coping stone and parapet wall applications where a low imposed load occurs but a high mortar bond is required. Reduces the likelihood of slippage due to wind loading.
- Hot bonded detail work at complex cavity tray detailing. The Visqueen Zedex High Bond DPC can be torch bonded together and heat sealed to primed concrete or steel columns using a gas torch
- Torch bonded to primed reinforced concrete slabs and primed downturn concrete beams.

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- Torch bonded to primed steel lintels reducing the risk of the DPC slipping forward during application of Pistol bricks.
- Ground level tanking applications when used in conjunction with Visqueen TorchOn Tanking Membrane
- Speeds up procurement times as Preformed Cloak Units are not required. Visqueen Zedex High Bond cloaks can be made on site as laps are all homogenously sealed.

### Installation

#### Guidelines

Installation must follow normal good practice as per PD 6697:2010 and must be in accordance with BS 8215.

- Visqueen Zedex High Bond DPC must extend through the full thickness of the wall leaf, including pointing, applied rendering or other materials.
- The DPC must be laid between even beds of wet mortar (above and below) and perforations in adjacent courses of brickwork must be completely filled with mortar.
- All lap joints in Visqueen Zedex High Bond DPC must have a minimum 100mm overlap and be torch bonded together.
- Visqueen Zedex High Bond DPC site formed cloaks must be used at stop ends.
- All corners or changes in level of cavity trays must not be damaged by cavity cleaning after installation.
- A sharp knife is necessary to cut the material.
- Unless fully bonding to the substrate, work can be carried out under the conditions normal to the construction of the wall.

#### Hot Bonding

When Visqueen Zedex High Bond DPC is to be fully bonded to the substrate, the substrate must be primed with Visqueen HP Tanking Primer and allowed to dry.

Installation should be, where relevant, in accordance with the requirements of the relevant British Standard Code of Practice and should, wherever possible, be immediately protected.

All surfaces should have a smooth finish, free from cavities, projections and mortar deposits. Surfaces should be dry and free from dust and frost. Vertical surfaces of brick and blockwork should be dry and provide an even surface. Unrendered brick or blockwork must be flush pointed to give a smooth surface without sudden changes in level. Design and installation guidance should be sought from the Visqueen Technical Department as early as possible.

#### Cold Weather Application

To ensure the product can be used in cold weather conditions follow good practices as per PD 6697:2010. The material must be warmed above 5°C prior to unrolling. The rolls must be stored above 5°C prior to use.

#### Storage and Handling

Zedex High Bond DPC is delivered to site in rolls secured with a paper wrapper. Rolls must be stored on end, under cover and be protected from mechanical damage. The rolls must be stored above 5°C prior to use.

Zedex High Bond DPC should not be stored where it is liable to come in to contact with hydrocarbon solvents such as petroleum spirit, diesel oil or other organic solvents.

#### Technical Data and CE Mark

Visqueen Zedex High Bond DPC complies with the requirements and clauses of EN 13969 - Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets.



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#### Product Data

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heading	Characteristic	Test method	Units	Compliance criteria	Value or Statement
	Visible defects	EN 1850 -2	-	Pass/Fail	Pass
	Length	EN 1848-2	m	-5%/+5%	8
	Width	EN 1848-2	mm	-5%/+5%	450,600, 1000
	Straightness	EN 1848-2	-	Pass/Fail	Pass
	Thickness	EN 1848-2	mm	-15%/+15%	3
	Mass	EN 1849-1	kg/m <sup>2</sup>	-10%/+10%	3.8
	Joint Strength	EN12317-2	N	>MLV	350
	Watertightness 60kPa	EN 1928	-	Pass/Fail	Pass
	Tensile properties	EN 12311-1	N 50mm	MDV	175 185
	Elongation at Break	EN 12311-1	%	MDV	185 185
	Flexibility at low temperatures	EN1109	-10oC	Pass/Fail	Pass
	Durability (artificial ageing)	EN 1296 and EN 1928	-	Pass/Fail	Pass
	Durability Chemical Resistance	EN 1847	-	Pass/Fail	Pass
	Resistance to tearing (nail shank) CD	EN 12310-1	N	MDV	175
	Resistance to tearing (nail shank) MD	EN 12310-1	N	MDV	165
	Resistance to static loading	EN 12730	Kg	>MLV	25
	Methane gas permeability	Rilem Report 12	ml/m <sup>2</sup> /d	MDV	5.52E-08
	Reaction to Fire	EN 13501-1	Class	MDV	NPD



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Appendix A



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#### Visqueen Building Products

Visqueen is the market leader in the manufacture and supply of structural waterproofing and gas protection systems. Visqueen offers the complete package - a proven, reliable range backed by a technical support service that goes unmatched in the market - everything you would expect from a reputable and ethical company.

#### System Accessories

To ensure full waterproofing protection please use the following certified system components:

- Visqueen High Performance (HP) Tanking Primer
- Visqueen TreadGUARD1500
- Visqueen Protect&Drain
- Visqueen Top Hat Unit

#### Downloads Library

- Technical Datasheet
- Declaration of Performance
- Visqueen's Guide to CE Marking

#### Find your local stockist

Search our directory of Visqueen specification Stocking Centres to locate your nearest Visqueen Partner.

#### Distributor Support

Our specification Stocking Centres can access a free library of sales support tools, bespoke catalogues and more, [click here](#).

#### Technical support throughout your project

We are specialists in our field and can help you specify the correct solutions with the necessary performance levels, in accordance with building regulations.

- Nationwide site support team
- Specification advice
- Installation guidance & project sign off
- System design including CAD details

