Visqueen Zedex High Bond DPC

CE Mark to EN 13969

- **Manufactured in excess of BS 6398 Type A.**
- **Low Permeability to Radon, Carbon Dioxide and Methane Gases.**
- **Superior Performance in Low Compressive Load Applications.**
- **Excellent Mortar Adhesion Properties.**
- **Installation options include Hot Bonding.**
- **Contains no pitch or plasticisers.**

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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 homogenously 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.

VISQUEEN BUILDING PRODUCTS

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STRUCTURAL WATERPROOFING AND GAS PROTECTION SYSTEMS

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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.
- 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.

SPECIFICATION SUPPORT

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

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

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

TECHNICAL SUPPORT

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

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Installation

Guidelines

Installation must follow normal good practice as per BS 5628 3:2005 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 BS5628 part 3:2005. 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.

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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				
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	m	-5%/+5%	1
Straightness	EN 1848-2	-	Pass/Fail	Pass
Thickness	EN 1848-2	mm	-15%/+15%	3
Mass	EN 1849-1	kg/m2	-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/m2/d	MDV	5.52E-08
Reaction to Fire	EN 13501-1	Class	MDV	NPD

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