

DPM to PIFA Standard CE Mark to EN 13967



VISQUEEN
 BUILDING PRODUCTS



- **Conforms to PIFA standard 6/83A:1995**
- **Proven performance over many years**
- **Manufactured from high quality reprocessed materials**
- **Complies with the requirements and clauses of EN 13967**

Description

Visqueen PIFA Damp Proof Membranes are a high quality range of polyethylene DPMs, available in blue or black and produced to PIFA Standard 6/83A:1995. Manufactured from high quality reprocessed low density polyethylene (LDPE), Visqueen Damp Proof Membranes have successfully prevented moisture penetration from floors for many years. A strict selective raw material policy ensures a consistently high quality DPM. Visqueen DPMs comply with the relevant Building Regulations and should be used in conjunction with the Visqueen Jointing System to ensure complete integrity of joints.

To maintain compatibility between damp proofing components and avoid issues such as polymer plasticizer migration, Visqueen recommend the use of Visqueen DPCs.

Application

The extensive range of Visqueen Damp Proof Membranes means that they are suitable for use below concrete floor slabs not subject to hydrostatic pressure. If hydrostatic pressure exists please use Visqueen Pre-Applied Membrane with fully welded laps.

For jointing adjacent sheets of Visqueen DPM, DPM to DPC and DPC to DPC, Visqueen Jointing System should be used. To complete the system Visqueen strongly advise the use of the following components when installing the membrane:

- **VisqueenPro Double Sided Jointing Tape**
- **VisqueenPro Single Sided Jointing Tape**
- **Visqueen TreadGUARD1500**
- **Visqueen Zedex CPT DPC**
- **Visqueen Top Hat Units**

IMPORTANT

Based on BBA, BRE and CIRIA guidelines, Visqueen Building Products recommend the use of special gas protection membranes (rather than traditional polythene DPMs) as suitable protection against ground gases. On brownfield sites or where there is ground contamination please seek further advice from Visqueen Building Products .

For commercial heavy duty RC slabs please use Visqueen High Performance centre-folded DPM in conjunction with Visqueen TreadGUARD as a cost-effective solution. Typical building examples of this use would be schools, hospitals, leisure and shopping centres.

When a Vapour Control Layer is required please refer to Visqueen's Vapour barrier range. We do NOT recommend DPM to Pifa for this use.

Installation

When used in accordance with the PIFA Standard and the relevant clauses of CP102: 1973 in concrete floors not subject to hydrostatic pressure,



Visqueen Damp Proof Membranes form an effective barrier to the passage of moisture from the ground. The DPM must be continuous with the DPC in the surrounding walls.

The membrane should be installed on a compacted sand blinding layer or smooth concrete float finish. The DPM must be covered by Visqueen TreadGUARD1500 or rigid under slab insulation as soon as possible after installation. Care should be taken to ensure that the membrane is not stretched or displaced when placing the concrete or screed over the membrane.

Jointing Procedures

- Always ensure that the membrane is clean, dust free and dry at the time of jointing
- Adjacent sheets must be overlapped by a minimum of 150mm
- Bond together using Visqueen PRO Double Sided Jointing Tape
- The joint should then be sealed using Visqueen PRO Single Sided Jointing Tape.

Where the sheets have been perforated they should be patched with sheets of identical thickness lapped at least 150mm beyond the limits of the puncture and bonded with Visqueen PRO Double Sided Jointing Tape and sealed with Visqueen PRO Single Sided Jointing Tape.

Service pipe penetrations

Please use Visqueen Top Hat Pipe Cloaks for any service pipe penetrations. The base of the Visqueen Top Hat Units should be sealed using Visqueen Double Sided PRO Jointing Tape and Visqueen PRO Single Sided Jointing Tape.

Storage and Handling

Visqueen DPM to PIFA Standard is classified as non-hazardous when used in accordance with the relevant Code of Practice (CP 102:1973). The product is chemically inert and is not affected by acids and alkalis that may be present in the sub-soils.

The material is not recommended for uses where it will be exposed to long periods of outdoor weathering as exposure to ultraviolet light will embrittle the product.

Weathering will not occur when the membrane is installed in accordance with CP102 1973. Care should be taken to avoid accidental damage when handling the membrane on site.

Visqueen PRO Double Sided Jointing Tape and Visqueen PRO Single Sided Jointing Tape should be kept in a warm, dry place until needed.

Installation is not recommended below 5°C.

Technical Data and CE Mark

Visqueen DPM to PIFA membranes complies with the requirements and clauses of EN 13967 - Flexible sheets for waterproofing - Plastic and rubber damp proof sheets including plastic rubber basement tanking sheet - Definitions and characteristics.

British Board of Agreement performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of conformity of the factory production control. 0836-CPD – 13/F029 applies.



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Product Data

Product Data

heading	Characteristic	Test method	Units	Compliance criteria	0.25mm	0.3mm	0.5mm
	Visible defect	EN 1850 -2	-	Pass/Fail	Pass	Pass	Pass
	Length	EN 1848-2	m	-0%/+10%	25	25	12.5
	Width	EN 1848-2	m	-2.5%/+2.5%	4	4	4
	Straightness	EN 1848-2	-	Pass/Fail	Pass	Pass	Pass
	Thickness	EN 1849-2	mm	-10%/+10%	0.25	0.3	0.5
	Mass	EN 1849-2		-10%/+10%	235	281	483
	Weight per roll		Kilos	-0%/+10%	23	27.6	23
	Tensile Strength - MD	EN EN12311		>MLV	20	20	18
	Tensile Strength - CD	EN EN12311		>MLV	20	20.7	18.9
	Tensile Elongation - MD	EN EN12311	%	>MLV	700	718	718
	Tensile Elongation - CD	EN EN12311	%	>MLV	763	791	800
	Joint Strength	EN12317-2	N	>MLV	153	158	267
	Watertightness 2kPa	EN 1928	-	Pass/Fail	Pass	Pass	Pass
	Resistance to impact	EN 12691	mm	>MLV	200	200	250
	Durability (artificial ageing)	EN 1296 and EN 1928	-	Pass/Fail	Pass	Pass	Pass
	Durability Chemical Resistance	EN 1847	-	Pass/Fail	Pass	Pass	Pass
	Resistance to tearing (nail shank)	EN 12310-1	N	MDV	165	215	340
	Resistance to tearing (nail shank)	EN 12310-1	N	MDV	185	195	350
	Resistance to static loading	EN 12730	Kg	>MLV	Pass - 20kg	Pass - 20kg	Pass - 20kg
	Reaction to Fire	EN 13501-1	Class	MDV	F	F	F



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Appendix A



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

