



- **Aluminium foil to resist methane, radon, CO2 and low levels of hydrocarbon**
- **Easy to apply using traditional methods**
- **Use as part of an integral gas protection system**
- **Independently assessed**
- **Excellent physical characteristics and good cold flexibility performance**

DESCRIPTION

Visqueen Gas Resistant (GR) Damp Proof Course is a flexible polyethylene DPC with an aluminium foil designed to prevent the transmission of carbon dioxide, radon, methane and low level hydrocarbon vapours. This is in addition to the product's usage as a damp proof course. Resistance to harmful gases is achieved by an integral aluminium film.

APPLICATION

Visqueen Gas Resistant (GR) DPC should be used on any site where carbon dioxide, radon, methane or low level hydrocarbon vapours are a problem. Methane can occur in any construction on any site previously used for landfill. Such conditions can exist on household, commercial and industrial sites. Visqueen Gas Resistant (GR) DPC has excellent physical characteristics and good cold flexibility performance. It is suitable for vertical, horizontal, stepped and cavity tray applications.

Good Practice Tip

To avoid slip or shear planes it is not recommended to take membranes through the wall. In order to provide a continuous barrier across the cavity Visqueen Gas Resistant DPC should be sealed to the membrane, taken through the blockwork, up the wall and incorporated below the damp proof course on the cavity tray outer leaf

IMPORTANT

Where the DPC may be in direct contact with hydrocarbon contamination the use of Visqueen GX DPC must be considered.

The DPC must be installed with the black side facing up.

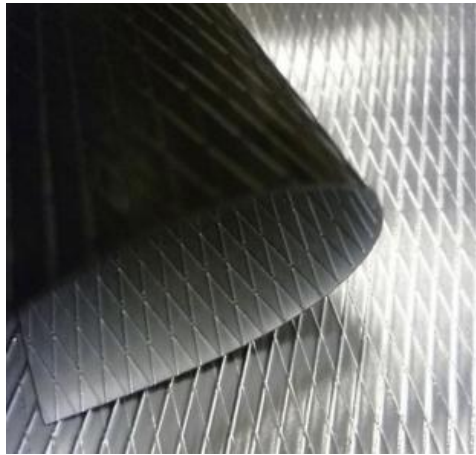
Installation

Visqueen Gas Resistant (GR) DPC should be installed in accordance with BS 8215:1991, BS 8000: Part 3, 2001 and BS 5628: Part 3, 2005. All horizontal DPCs must be bedded on both sides with fresh mortar. All DPCs must project through the full width of the wall, including any externally applied rendering and project 5mm beyond the finished external face. All cavities must be kept clear of mortar droppings and other debris. Any mortar droppings reaching the DPCs must be removed before they harden, avoiding the use of sharp objects for removal. Reference should also be made to NHB C guidance notes and BRE Report BR211.

The DPC must be installed with the black side facing up.

STORAGE AND HANDLING

Visqueen Gas Resistant (GR) DPC is classified as non-hazardous when used in accordance with the relevant British Standards. The product is chemically inert and is not affected by acids and alkalis that may be present in the subsoils.



VISQUEEN
 BUILDING PRODUCTS



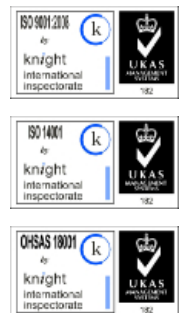
Gas Resistant DPC
CE Mark to EN 14909

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Technical Data and CE Mark

Visqueen Gas Resistant Damp Proof Course complies with the requirements and clauses of EN 14909 - Flexible sheets for waterproofing - Plastic and rubber damp proof courses - Definitions and characteristics.

Visqueen Gas Resistant DPC products are manufactured under a Quality Management System (ISO 9001) - Certificate of Compliance reference no. 4560-3 by Knight International applies.



Gas Resistant DPC
CE Mark to EN 14909

Product Data

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Characteristic	Test method	Units	Compliance criteria	Value or Statement
Visible defect	EN 1850 -2	-	Pass/Fail	Pass
Length	EN 1848-2	m	-0%/+10%	30
Width	EN 1848-2	m	-0%/+10%	0.5 to 1
Straightness	EN 1848-2	-	Pass/Fail	Pass
Thickness	EN 1849-2	mm	-20%/+20%	0.5
Mass	EN 1849-2		-12%/+12%	257;379;475
Watertightness	EN 1928	-	Pass/Fail	Pass
Resistance to impact	EN 12691	mm	>MLV	40
Durability (artificial ageing)	EN 1296 and EN 1928	-	Pass/Fail	Pass
Durability (alkali)	Annex C	-	Pass/Fail	NPD
Resistance to low temperature	EN 495-5	?C	<MLV	-40
Resistance to tearing (nail shank)	EN 12310-1	N	MDV	280 310
Water vapour permeability properties	EN 1931		+/-20%	0.13
Resistance to static loading	EN 12730	Kg	>MLV	20
Reaction to fire	EN 13501-1		Class	F
Methane Permeability	ISO 7229		MDV	12
Reaction to Fire	EN 13501-1	Class	MDV	F





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

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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

