

Gas Resistant Self Adhesive Membrane

CE Mark to EN 13969



- Self-adhesive membrane for above and below ground application
- Superior adhesion and waterproofing qualities
- Integral aluminium foil for resistance to methane, radon and carbon dioxide

Description

Visqueen Gas Resistant (GR) Self Adhesive Membrane is designed to prevent the transmission of carbon dioxide, radon and methane gases in tanking applications or where hydrostatic pressure is present.

Resistance to gas is achieved by an integral aluminium film. Substrates should be primed with Visqueen HP Tanking Primer prior to application. Visqueen Gas Resistant (GR) Self Adhesive Membrane is compatible with Visqueen Gas Resistant (GR) DPC and other Visqueen Gas Membranes.

Application

Visqueen Gas Resistant (GR) Self Adhesive Membrane should be used on any site where carbon dioxide, radon or methane is a problem. Methane and carbon dioxide will occur on any sites previously used for landfill as a result of bacteriological conditions. Such conditions can exist on household, commercial and industrial sites. Adequate ventilation must be ensured at all times during application.

Visqueen Gas Resistant Self Adhesive Membrane is not suitable for any roofing or podium applications.

Additionally radon has been identified as being present in some 21 counties in England by the National Radiological Protection Board.

Storage & Handling

Visqueen Gas Resistant (GR) Self Adhesive Membrane should be stored in cartons, on end and kept dry above 10°C. Visqueen Gas Resistant (GR) Self Adhesive Membrane is classified as nonhazardous when used in accordance with the relevant British Standards.

Visqueen HP Tanking Primer should be stored in original unopened containers in a cool dry area. Suitable Personal Protective Equipment (PPE) should be worn when using in line with our health and safety datasheet.

Installation Instructions

Ensure that the surface to be treated is free from loose particles, dry and frost free. Installation should be in accordance with BS 8102:2009. All surfaces should be sealed using Visqueen HP Tanking Primer and allowed to dry thoroughly.

A suitable drainage system should be designed and incorporated in accordance with the requirements of BS8102:2009. All surfaces should be free from ice, frost or condensation.

Slabs must be surface dry, free from sharp protrusions and any hollows filled with high strength mortar. All surfaces should be primed using Visqueen HP Tanking Primer applied by brush or roller and allowed to dry before the application of Visqueen Gas Resistant Self Adhesive Membrane.

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Visqueen Gas Resistant Self Adhesive Membrane should be laid by peeling back the protective silicone release paper and applying the self adhesive face onto the prepared surface.

The material should be brushed on to the surface to ensure good initial bond and remove any trapped air. Adjacent rolls are aligned and overlapped a minimum of 150mm at side and ends and the overlaps must be thoroughly rolled with a firm constant pressure to ensure a complete and continuous adhesion to achieve gas tight integrity between the layers.

To provide complete security of the system, care must be taken when detailing service penetrations and changes of levels. The use of angle fillets and reinforcing strips is essential. Visqueen Gas Resistant Self Adhesive Membrane is fully compatible with other elements of the Visqueen Gas Protection System.

After installation the membrane should be covered as soon as possible with Visqueen TreadGUARD1500/ Protect&Drain or other protective layer. Any punctures or damaged areas should be cleaned and patched with the membrane.

Visqueen Gas Resistant (GR) Self Adhesive Membrane must be continuous with the Visqueen Gas Resistant DPC in surrounding walls and all laps must be sealed.

Technical Data and CE Mark

Visqueen Gas Resistant Self Adhesive Membrane complies with the requirements and clauses of EN 13969.

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-CPR-13/F062 applies.



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Product Data

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Product Data

Characteristic	Test method	Units	Compliance criteria	Value or statement
Length	EN 1848-2	m	-0%/+5%	20
Width	EN 1848-2	m	-5%/+5%	1
Thickness	EN 1849-2	mm	-5%/10%	1
Mass	EN 1849-2	g/m2/	-10%/10%	1100
Watertightness	EN 1928	-	Pass/Fail	Pass 60Kpa
Durability after artificial ageing)	EN 1847	-	Pass/Fail	Pass 60Kpa
Durability against chemicals	EN 1847	-	Ps	Pass 60Kpa
Resistance to tearing (nail shank) MD	EN 12310-1	N	>	100
Resistance to tearing (nail shank) CD	EN 12310-1	N	>	100
Water vapour transmission properties	EN 1931	g/m2/d	MDV	0.013
Resistance to static loading	EN 12730	Kg	>MLV	20
Resistance to Impact	EN 12691	mm	>	500
Reaction to fire	EN 13501-1		Class	F
Joint Resistance	EN 12317-1	N	>	30
Tensile properties - MD	EN 12311-2	N/mm2	>	2
Tensile properties - CD	EN 12311-2	N/mm2	>	2
Tensile Elongation - MD	EN 12311-1	%	>	130
Tensile Elongation - CD	EN 12311-2	%	>	130
Reaction to Fire	EN 13501-1	Class	MDV	F
Methane permeability	ISO 7229	ml/m2/d	MDV	33
Radon Diffusion		m2/d		5.0 x 10 (-14)



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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

