

Visqueen Gas Resistant Self Adhesive CE Mark to EN 13969

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- | **Self Adhesive waterproofing membrane for above and below ground applications.**
- | **Superior adhesion.**
- | **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.



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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.

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STRUCTURAL WATERPROOFING
 AND GAS PROTECTION SYSTEMS

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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.

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.

TYPICAL PROPERTIES

Visqueen HP Tanking Primer

| | |
|----------------------------|-----------------------|
| Dry Time | 2-8 hours |
| Application Rate- Concrete | 6-8m ² / l |
| Availability | 5L |

Visquen TreadGUARD1500

| | |
|------------|---------|
| Dimensions | 1m x 2m |
|------------|---------|

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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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 | | | | |
|---------------------------------------|-----------------|----------------------|---------------------|--------------------|
| 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/m ² / | -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/m ² /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/mm ² | > | 2 |
| Tensile properties - CD | EN 12311-2 | N/mm ² | > | 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 | Rilem Report 12 | ml/m ² /d | MDV | <0.001 |
| Radon Diffusion | | m ² /d | | 5.0 x 10 (-14) |

The information given in this datasheet is based on data and knowledge correct at the time of printing. Statements made are of a general nature and are not intended to apply to any use or application outside any referred to in the datasheet. As conditions of usage and installation are beyond our control we do not warrant performance obtained but strongly recommend that our installation guidelines and the relevant British Standard Codes of Practice are adhered to. Please contact us if you are in any doubt as to the suitability of application.