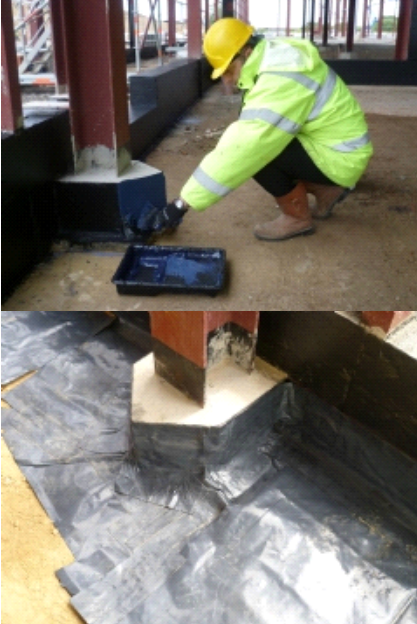


Visqueen Liquid Gas Membrane

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- | low permeability to methane, carbon dioxide and radon gases
Ideal for complex detailing applications
- | Quick Installation times due to rapid drying properties
- | Waterproofing membrane for below ground applications
- | Vertical and horizontal damp proof membrane
- | Non toxic water based liquid
- | Compatible with Visqueen sheet membrane systems

Description

Visqueen Liquid Gas Membrane is a grey, one part elastomeric polymer modified liquid that dries to form a black, flexible membrane. The product is supplied in a 20L container.

Typical Applications

Visqueen Liquid Gas Membrane is used for providing damp proofing, gas proofing or waterproofing for a range of applications, including:

- | Gas and damp proofing of solid concrete floors
- | Vertical gas and damp proofing of rendered brickwork and blockwork masonry walls
- | Gas and damp proofing of junctions with steel stanchions
- | Complex gas and damp proofing of detailing applications
- | Gas and waterproofing of basement structures and lift pits

When designing structures incorporating Type A waterproofing protection as classified in BS 8102: 2009 (Code of practice for protection of below ground structures against water from the ground), the product is suitable for Grade 1, 2 and 3 structures.

Visqueen Liquid Gas Membrane system is not designed for use as a gas or damp proof course. Visqueen supply a range of products for this application; please contact our technical sales office for further information.

Visqueen Liquid Gas Membrane must not pass through structural zones such as pile caps, pile tops and shear walls where a concrete to concrete bond is required.

VISQUEEN
BUILDING PRODUCTS

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VISQUEEN BUILDING PRODUCTS IS A TRADING NAME
 OF BRITISH POLYTHENE LIMITED, COMPANY NUMBER:
 350729, REGISTERED OFFICE: ONE LONDON WALL,
 LONDON, EC2Y 5AB

STRUCTURAL WATERPROOFING
 AND GAS PROTECTION SYSTEMS

Visqueen Liquid Gas Membrane

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System Components

Visqueen Liquid Gas Membrane system consists of:

- Visqueen Liquid Gas Membrane – 20L container (approximate total coverage 1.0 litre/m²)
- Visqueen Liquid Gas Membrane Primer – 5L container (approximate total coverage 0..25 litre/m²)
- Visqueen Liquid Gas Membrane Reinforcing Strip – 300mm x 100m

When used to provide gas or waterproofing to the external face of lift pit structures, cover with Visqueen TreadGUARD1500 or Visqueen Protectadrain.

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.

VISQUEEN
BUILDING PRODUCTS

Visqueen Liquid Gas Membrane

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Preparation

All surface must be clean, smooth and free from dust, or loose material. Standing water must not be present. Any surface contamination e.g. oil, paint, snots, fungal growth, etc must be removed.

All substrate cracks must be repaired and filled prior to product application.

Movement joints should be provided with a waterstop/ sealant system to an Engineer's specification.

Where pipes penetrate the structure, Visqueen Preformed Top Hat Units should be provided.

Precautions

Visqueen Liquid Gas Membrane system should not be applied at temperatures below 5°C, or when temperatures can be expected to fall below 5°C before the primer or membrane has dried. Temperatures below 5°C will render the products unfit for use. The system must not be applied during rainfall or when rain is expected before the primer or membrane has dried.

Primer application

Visqueen Liquid Gas Membrane Primer is supplied ready for use and requires agitation prior to use. Visqueen Liquid Gas Membrane Primer can be applied by brush, roller or airless spray.

For optimum performance, all substrates should be primed with Visqueen Liquid Gas Membrane Primer at a rate of 0.25 litre/m². Ensure that the primer is applied evenly and if spraying, use a circular action. Allow the primer to dry (approximately 2 hours depending upon surface, temperature, humidity and ventilation).

Visqueen Liquid Gas Membrane can be applied to un-primed green concrete.

Membrane application - general

Visqueen Liquid Gas Membrane is supplied ready for use. Do not add water. The product must be stirred for 5 minutes before and occasionally during use using a slow speed paddle stirrer. Visqueen Liquid Gas Membrane can be applied by brush, roller or airless spray.

Construction joints and horizontal to vertical junctions should be reinforced by pre-treating with a coat of Visqueen Liquid Gas Membrane at a coverage rate of 0.5 litre/m², applied 100mm either side of the joint or junction and into which is bedded Visqueen Liquid Gas Membrane Reinforcing Strip. Allow to dry.

Visqueen Liquid Gas Membrane is applied in two coats, each at a coverage rate of 0.5 litre/m². For brush and roller application apply in one direction. When spraying, use a circular action. Allow each coat to dry fully before applying the following coat (approximately 2-3 hours depending upon temperature, humidity and ventilation). Visually the membrane will turn black as it dries. Apply successive coats at right angles to the previous coat.

All tools should be cleaned with water immediately after use.

Covering

Visqueen Liquid Gas Membrane should be covered by a protective layer as soon as possible after installation. Some common finishes are described below.

When used to provide a vertical damp proof membrane to the internal face of existing above-ground walls showing damp ingress, the final coat of Visqueen Liquid Gas Membrane should be blinded with clean sharp sand whilst tacky. When fully dry, a finish of minimum 12mm gypsum based plaster system should be applied before decorating.

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Visqueen Liquid Gas Membrane

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When used to provide a horizontal gas or damp proof membrane on solid concrete floors, cover with minimum 50mm sand/ cement screed.

When used to provide gas or waterproofing to the external face of lift pit structures, cover with Visqueen TreadGUARD1500 or Visqueen Protectadrain.

Shelf Life and Storage

Visqueen Liquid Gas Membrane and Liquid Gas Membrane Primer have a shelf life of minimum 12 months when stored in sealed containers at temperatures of 5°C to 25°C. Both products must not be subjected to temperatures below 5°C during storage or transportation. Temperatures below 5°C will render the products unfit for use. Store in a dry location out of direct sunlight.

Health and Safety

Visqueen Liquid Gas Membrane and Liquid Gas Membrane Primer health and safety data sheet is available on request and should be read prior to product use.

Specification

J30 10 130– Liquid Applied Tanking / Damp Proofing in accordance with NBS Clauses. Please consult Visqueen for further information.

TYPICAL PROPERTIES	
Technical data	
Liquid Form	blue / grey
Colour when dry	Black
SBR Primer coverage	0..25 litre/m ²
Liquid Gas Membrane coverage	2 x 0.5 litre/m ²
Cured time	24 - 48 hours
Application temperature	>5oC
Liquid Gas Membrane Quantity	20 Litre tubs
Liquid Gas Membrane Primer	5 Litre container
Liquid Gas Membrane Jointing Strip	300mm x 100m
Cured Properties	
Methane permeability	0.00864 ml/m ² /day
Adhesion to concrete	>1.1 N/mm ²
Elongation ASTM D2370	>100%
Water penetration - 3.0 bars	no penetration

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.

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