

Visqueen Gas Barrier

- High quality Multi Layer Reinforced LDPE Polyethylene Membrane with Aluminium core.
- High resistance to puncture.
- Low permeability to methane, radon and carbon dioxide.
- Also acts as a damp proof membrane.
- High levels of tear and impact resistance.

Description

The Building Regulations require that proper precautions be taken to prevent danger to health and safety when building on contaminated land. Visqueen Gas Barrier offers a safe solution for the protection of buildings against methane, radon and carbon dioxide, when installed in accordance with BRE Report: Construction of buildings on Gas Contaminated land.

Visqueen Gas Barrier is a multi layer reinforced polyethylene membrane with an integral aluminium foil. For ease of identification on site Visqueen Gas Barrier is coloured blue tint on one side and silver on the reverse. The Barrier is flexible and is easy to install. Visqueen Gas Barrier is also suitable for use as a damp proof membrane.

Application

Visqueen Gas Barrier is suitable for use where methane, radon or carbon dioxide is a problem. Typically these are sites previously used as landfill or are contaminated industrial sites.

Visqueen Double Sided Tape

A butyl based double sided tape for joins and laps.

Visqueen Foil Backed Girth Jointing Tape

A single sided jointing tape suitable for securing laps and joins.

Visqueen Gas Resistant DPC

A flexible polyethylene DPC with an aluminium foil designed to prevent the transmission of radon and methane gases.

Pre-formed Top Hat Units

For effective sealing around service pipe penetrations.

Visqueen Gas Resistant Self Adhesive Membrane

A self adhesive membrane designed to prevent the transmission of radon and methane gases

Installation

Preparation for laying

Visqueen Gas Barrier and ancillary components must be installed in accordance with the recommendations of Building Research Establishment BRE No: 211 "Radon: guidance on protective measures for new dwellings" and BRE No: 414 "Protective Measures for housing on gas contaminated sites". The product is not intended for use where there is the risk of hydrostatic pressure.

Visqueen Gas Barrier should be installed on a blinded or smooth surface allowing adequate overlap for jointing between the sheets and avoiding bridging (i.e. areas of unsupported membrane). Visqueen Gas Barrier must be installed with the blue surface facing upwards.

Maintaining continuity

In order to provide a continuous barrier the membrane should be taken up the walls to the Damp Proof Course level and incorporated beneath it in the inner skin. Where additional ventilation is required, Visqueen Gas Barrier should be installed with the Visqueen Gas Ventilation System. Details available on request.

Visqueen Gas Barrier

Product Specification	
Length	30m/60m
Width	1.6m
Square Metres per Roll	48m ² /96m ²
Colour	Blue/silver
Overall thickness	300mu
Thickness Aluminium Foil	20mu
TECHNICAL PERFORMANCE	
Weight per Unit Area	350 gm ²
Tensile Strength (BS 2782: Part 3:320A)	43.7N/mm ²
Tear Strength (BS 2782: 360B)	216 N/mm
Methane Permeability	Less than 0.001 mls/m ² /24hr
Water Vapour Permeability (BS 3177)	0.03 g/m ² /day