

SOLSEAL

Liquid Gas Barrier

SOLSEAL LIQUID GAS BARRIER can be used to protect most building surfaces from the effect of liquid and water vapour, carbonation and as a gas barrier to prevent the ingress of Methane, Carbon Dioxide and Radon. As the product is a barrier to moisture it can be used as a DPM on floors and walls.

Benefits & Features

- Prevents ingress of Methane, Carbon Dioxide & Radon gasses
- Suitable for use as a DPM on floors and walls
- Meets the requirements of BS8485:2015
- Fast drying for rapid installation
- Single component (no primers)
- Can complement or replace sheet membranes



SOLSEAL - Liquid Applied Systems

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Product Description

SOLSEAL LIQUID GAS BARRIER is a ready for use specialist styrene butadiene latex based liquid applied membrane. It offers a simple, continuous passive gas prevention barrier against the ingress of Methane, Carbon Dioxide, Radon, Ground Gas, VOC, air & Moisture into buildings.

Provided the liquid gas barrier is not in direct contact with the source of contamination; then the liquid gas barrier is suitable for use as a Hydrocarbon/VOC Barrier.'

SOLSEAL LIQUID GAS BARRIER also acts as a waterproofing membrane complying with the requirement C2 and C4 schedule 1 of the Building Regulations 1991 for England and Wales

Compliance

SOLSEAL LIQUID GAS BARRIER complies with the latest codes of practice as published by BR211, CIRIA & BSI (BS8485:2015) test data to EN ISO 15105-1 for Methane. Suitable for use as gas protection for NHBC Green, Amber 1 and Amber 2 site classifications.

Suitable for waterproofing protection when designing Type A structures as classified in BS8102:2009 to grades 1, 2 & 3 constructions.

SOLSEAL LIQUID GAS BARRIER is CE marked and complies to EN13967 – Flexible sheets for waterproofing – Plastic and rubber damp proof sheets including rubber basement tanking sheet characteristics

Recommended For

Suitable for water, gas and damp proofing of the following: -

- Pile Caps & Beam detailing
- Bored Service Penetration Sealant
- Remedial Repairs to Gas Protection Systems
- Concrete floors
- Basements & Lift Pits
- Complex detailing to columns, junctions etc
- Brick and block masonry walls
- Junctions, columns etc

Application

The background surface should be smooth or have a light even texture, and masonry should be flush pointed and defects in the surfaces made good prior to application. The surface should be clean, sound and free of dust, loose material or free surface water. SOLSEAL LIQUID GAS BARRIER should not be applied in wet conditions or where inclement weather is expected before the membrane has dried. The membrane should not be applied in temperatures below 7°C.

Where multiple coats are applied, it is recommended that the coats are applied at right angles to each other. Before application of secondary coats, it is necessary to let the first coat become touch dry.

The time required to reach touch dry condition will vary dependant on site conditions within the working area, but will typically be in the order of 1-2 hours in favourable conditions. It is preferable that secondary coats are applied within 24 hours.

Solseal liquid gas membrane should be covered by a protective layer after installation using ether Solco Protection Sheet or Solco Soldrain Double.

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Coverage

SOLSEAL LIQUID GAS BARRIER may be applied by brush, roller or airless spray. A minimum dry coated thickness of 1.0mm is needed to provide a gas barrier. To achieve 1.0mm thickness, a total of 2kg/m² is required, therefore a 15kg tub will cover an area of 7.5m².

Handling

Material is supplied in tubs of 15kg weight. Appropriate care must be taken with handling. Clean tools with water immediately after use.

Storage

Store tub in conditions between 5°C and 30°C; Shelf life 12 months unopened.

Compatibility

SOLSEAL LIQUID GAS BARRIER is compatible with loose laid membranes supplied by Solco, such as Solshield Ultra, Reinforced, Hydrocarbon and Solsheet GP and GR.

Technical Data			
Characteristic	Test Method	Units	LGB
Physical Properties			
Applied Thickness		mm	>1.0
Form Supplied			Viscous Liquid
Pack Size		KG	15
Colour			Red
Chemical Composition		–	Advanced SBS with specialty additives
Hydraulic Properties			
Water Tightness	EN 1296, EN 1367, EN 1928		PASS
Gas Permeability			
Methane Permeability	BS EN ISO 15105 - 1	ml/m ² /day/atm	<40 (Pass)
Radon Permeability	Saarland University, GER	mm	>1.0mm applied thickness provides a complete barrier to Radon

System Accessories

- Reinforcement Tape for corner detail
- Top Hat Units
- Solco Protection Board
- Soldrain Double (Protection sheet)