

# Solseal Liquid Gas Barrier

## 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 Solseal 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.
- CE marked and complies to EN13967 – Flexible sheets for waterproofing – Plastic and rubber damp proof sheets including rubber basement tanking sheet characteristics

- Prevents ingress of Methane, Carbon Dioxide & Radon gasses.
- Suitable for use as a DPM on floors and walls.
- Meets the requirements of BS8485:2015 +A1:2019.
- Fast drying for rapid installation.
- Single component (no primer required).
- Can complement or replace sheet membranes.

## Typical Uses:

- Pile Caps & Beam detailing.
- Bored Service Penetration Sealant.
- Concrete floors.
- Brick and block masonry walls.
- Remedial Repairs to Gas Protection Systems.
- Basements & Lift Pits.
- Complex detailing to columns, junctions, etc.
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## 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 LGB 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 depending 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.
- The product should be covered by a protective layer after installation using either Solco Protection Sheet or Soldrain Double.

## 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/m<sup>2</sup> is required. Therefore a 15kg tub will cover an area of 7.5m<sup>2</sup>.

## Technical Data:

| Property                    | Value                     | Value  |
|-----------------------------|---------------------------|--|
| <b>Physical Properties</b>  |                           |  |
| Applied Thickness           |                           | >1.0mm   |
| Form Supplied               |                           | Viscous Liquid   |
| Pack Size                   |                           | 15kg   |
| Colour                      |                           | Red  |
| Chemical Composition        |                           | Advanced SBS with Speciality Additives                         |
| <b>Hydraulic Properties</b> |                           |  |
| Watertightness              | EN 1296, EN 1367, EN 1928 | Pass   |
| <b>Gas Permeability</b>     |                           |  |
| Methane Permeability        | BS EN ISO 15105-1         | <40 ml/m <sup>2</sup> /day/atm (Pass)                          |
| Radon Permeability          | Saarland University, GER  | >1.00mm applied thickness provides a complete barrier to Radon |

## Handling:

- 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 of 12 months unopened.