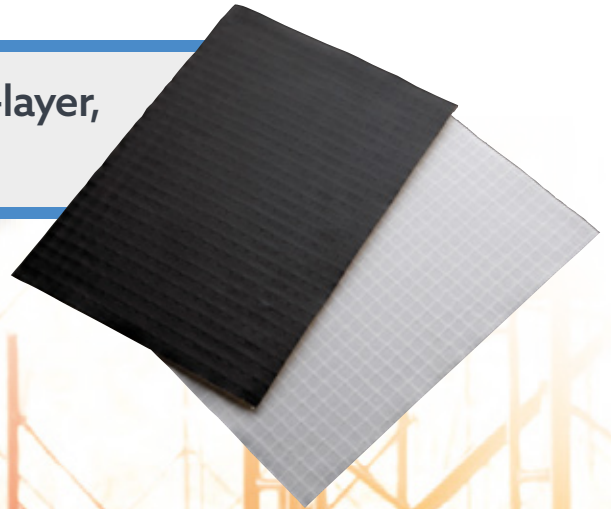




# Sovereign Gas Protection 1

Sovereign Gas Protection 1 is a multi-layer, low density polyethylene membrane.



**Product Code**  
**30616388**

### Description

Sovereign Gas Protection 1 is a multi-layer, low density polyethylene membrane, reinforced with a polypropylene reinforcing grid with an integral aluminum foil. Sovereign Gas Protection 1 is specifically designed and manufactured to perform as a methane, carbon dioxide, radon, ground gas, VOC/hydrocarbon vapors, air and moisture protection system.

### Compliance and Certification

CE Mark - EN13967:2012  
NHBC Standards Compliant  
BS 8485 :2015 + A1 2019 Accordant  
BBA Certified - Certificate No. 12/4912

### Handling

Roll weights can be in excess of 20 kg and hence appropriate care and equipment is required for unloading and handling.

### Installation

Sovereign Gas Protection 1 should be installed in accordance with the product installation guidelines, and in accordance with BS 8485:2015.

### Jointing and Sealing

It is recommended that Sovereign Gas Protection 1 be heat welded where possible, with welding carried out by a competent personnel with suitable qualifications. Sovereign Gas Protection 1 should be overlapped by at least 100 mm. If taping joints, only suitable tape must be used. Ensure application with a silicone roller to remove trapped air.



## TECHNICAL DATA

### PHYSICAL PROPERTIES

Roll size	2.0 m x 50 m
Membrane thickness	0.6 mm
Thickness between scrim:	0.4 mm
Material	LDPE (low density Polyethylene)
Colour:	Black

### HYDRAULIC PROPERTIES

Thickness:	>300
Resistance to water penetration:	Pass
Water tightness:	Pass
Resistance to static load:	20 kg
Tensile strength (MD):	600 N/50 mm
Tensile strength (CMD):	480 N/50 mm
Tensile elongation (MD):	20 %
Tensile elongation (CMD):	20 %
Puncture resistance:	1.25 kN
Resistance to tearing (MD):	330 N
Resistance to tearing (CMD):	400 N

## DURABILITY AND CHEMICAL RESISTANCE

### TRANSMISSION RATE OF VOLATILE LIQUIDS:

Diesel:	0.246 g/m <sup>2</sup> /h
Xylene:	0.571 g/m <sup>2</sup> /h
Toluene:	0.583 g/m <sup>2</sup> /h
Petrol:	0.135 g/m <sup>2</sup> /h

### GAS PERMEABILITY

Methane:	<0.09 ml/m <sup>2</sup> /day/atm
Carbon dioxide:	<0.09 ml/m <sup>2</sup> /day/atm
Radon:	8.0 x 10 <sup>-15</sup> m <sup>2</sup> /s

## COVERAGE

1 roll covers 100 m<sup>2</sup>

**Storage:** Rolls should be stored on a stable ground and stacked no more than 5 rolls high. Rolls can be stored outside but shouldn't be exposed to UV light.

## HEALTH & SAFETY

Product is not classified as hazardous.



Health & safety information available on request

## ASSOCIATED PRODUCTS

- > 30616387 Sovereign Gas Protection Bond
- > 30616381 Sovereign Gas Protection Overtape
- > 30616384 Sovereign Gas Protection Edge Strip
- > 30616385 Sovereign Gas Protection Tank



### Important Disclaimer

The information given is in good faith based on experience and usage, however all recommendations are made without warranty or guarantee, since the conditions of use are beyond our control. All goods are sold in accordance with our Conditions of Sale, copies of which are available on request. Customers are advised that product, techniques and codes of practice are under constant review and changes occur without notice. Please ensure you have the latest updated information.



**Sovereign**  
the gold standard in building products

Sovereign Support: 01229 870800 | [www.sovchem.co.uk](http://www.sovchem.co.uk)

FIND US HERE

