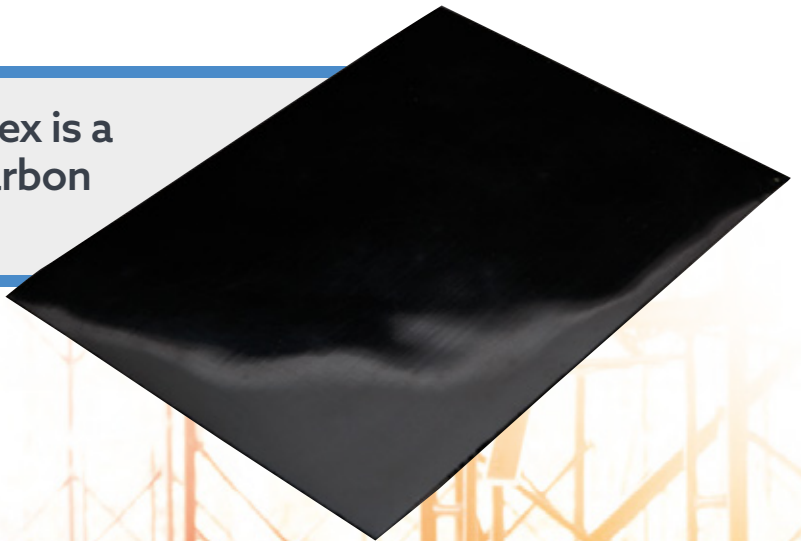




## Sovereign Gas Protection Flex

Sovereign Gas Protection Flex is a multi-layer, gas and hydrocarbon barrier membrane.



**Product Code**  
**30616389**

### Description

Sovereign Gas Protection Flex - Gas and hydrocarbon barrier is a multi-layer, polyethylene membrane. Sovereign Gas Protection Flex is specifically designed, manufactured, tested and certified to perform as a methane, carbon dioxide, radon, ground gas, VOC, air, moisture and hydrocarbon protection system.

### Compliance and Certification

CE Mark – EN13967:2012

NHBC Standards Compliant

BS 8485 :2015 (methane and carbon dioxide barrier)

CIRIA C748 Compliant (VOC Barrier)

### Features

- ✓ Quick and easy installation
- ✓ Can be a fully welded system
- ✓ High resistance to ground gases
- ✓ Exceptional chemical resistance
- ✓ Manufactured to meet the most up to date British Standards and Guidance
- ✓ Long term durability  
(Performance guaranteed for the lifetime of the building)



## TECHNICAL DATA

### PHYSICAL PROPERTIES

Weight:	500 g/m <sup>2</sup>
Membrane thickness:	0.5 mm
Roll size:	2.0 m x 50 m

### HYDRAULIC PROPERTIES

Water vapour transmission rate:	0.11 – 0.18 g/m <sup>2</sup> /day
Water tightness(60kPa):	Pass
Water tightness(196kPa):	Pass

### MECHANICAL PROPERTIES

Resistance to static load:	>20 kg
Puncture resistance:	>2.0 kN
Tensile strength (MD):	>550 N/50mm
Tensile strength (CMD):	>400 N/50mm
Tensile elongation (MD/CMD):	>550 %
Tear resistance:	>300 N
Resistance to impact:	>650 mm
Reaction to fire:	Class E
Resistance to artificial ageing:	Pass
Resistance to chemicals:	Pass

## DURABILITY AND CHEMICAL RESISTANCE

### TRANSMISSION RATE OF:

Vapour Permeability:	100% Concentrate
Benzene:	<3.6 mg/m <sup>2</sup> /day
Toluene:	<13.8 mg/m <sup>2</sup> /day
Ethyl Benzene:	<2.7 mg/m <sup>2</sup> /day
Xylenes (M,P,O):	<7.7 mg/m <sup>2</sup> /day
Hexane:	<0.6 mg/m <sup>2</sup> /day
Vinyl Chloride:	<0.05 mg/m <sup>2</sup> /day
Trichloroethene (TCE):	<54.7 mg/m <sup>2</sup> /day
Tetrachloroethene (PCE):	<26.2 mg/m <sup>2</sup> /day
Naphthalene:	<0.0006 mg/m <sup>2</sup> /day
Dichloroethylene:	<1.1 mg/m <sup>2</sup> /day

### GAS PERMEABILITY

Methane:	0.13 ml/m <sup>2</sup> /day/atm
Methane (jointed):	1.00 ml/m <sup>2</sup> /day/atm
Carbon Dioxide:	3.01 ml/m <sup>2</sup> /day/atm
Vinyl Chloride:	0.04 ml/m <sup>2</sup> /day/atm
Radon:	1.0 x 10 <sup>-12</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**



### 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.



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