



Sovereign Gas Protection Bond

Sovereign Gas Protection Bond is a pre-applied fully bonded waterproofing membrane.



Product Code **30616387**

Description

Sovereign Gas Protection Bond is a pre-applied fully bonded waterproofing membrane, incorporating a heavy duty virgin polypropylene geotextile. The geotextile is laminated to the membrane to provide a dual function; protecting the membrane from damage and providing an integrated 'bond' to poured concrete, ensuring a fully bonded waterproofing barrier which has exceptionally high resistance to ground gas and VOCs. Sovereign Gas Protection Bond is used for the gas/waterproofing/tanking of underground structures where harmful ground gases are anticipated.

Compliance and Certification

CE Mark - EN13967:2012

NHBC Standards Compliant

BS 8485 :2015 (methane and carbon dioxide barrier)

CIRIA C748 Compliant (VOC Barrier)

BS 8102:2009 Compliant (type A waterproofing 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:	650 g/m ²
Membrane thickness:	2.0 mm
Roll size:	1.9 m x 25 m

HYDRAULIC PROPERTIES

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

MECHANICAL PROPERTIES

Resistance to static load:	>20 kg
Puncture resistance:	>2.5 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:	>1650 mm
Reaction to fire:	Class E
Concrete peel adhesion:	>3.0 kN/m
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 ² /day
Toluene:	<13.8 mg/m ² /day
Ethyl Benzene:	<2.7 mg/m ² /day
Xylenes (M,P,O):	<7.7 mg/m ² /day
Hexane:	<0.06 mg/m ² /day
Vinyl Chloride:	<0.05 mg/m ² /day
Trichloroethene (TCE):	<54.7 mg/m ² /day
Tetrachloroethene (PCE):	<26.2 mg/m ² /day
Naphthalene:	<0.0006 mg/m ² /day
Dichloroethylene:	<1.1 mg/m ² /day

GAS PERMEABILITY

Methane:	0.13 ml/m ² /day/atm
Methane (jointed):	1.00 ml/m ² /day/atm
Carbon Dioxide:	3.01 ml/m ² /day/atm
Vinyl Chloride:	0.04 ml/m ² /day/atm
Radon:	1.0 x 10 ⁻¹² m ² /s

COVERAGE

1 roll covers 47.5 m²

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.



Sovereign
the gold standard in building products

Sovereign Support: 01229 870800 | www.sovchem.co.uk

FIND US HERE

