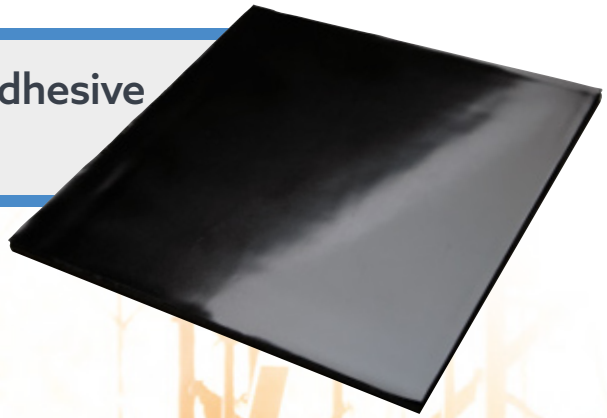
Sovereign
the gold standard in building products

Technical Data Sheet 341

Sovereign Gas Protection Tank

Sovereign Gas Protection Tank is a self-adhesive version of the Gas Protection Flex.



Product Code
30616385

Description
Sovereign Gas Protection Tank is a self-adhesive version of the Sovereign Gas Protection Flex; composed of self-adhesive with an upper surface finish of the Sovereign Gas Protection Flex and a lower surface finish of siliconized polypropylene release film. Sovereign GP Tank is used for the Gas/Waterproofing/ Tanking of underground structures where harmful ground gases are anticipated, as a post-applied fully bonded membrane.

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:	1350 g/m²
Membrane thickness:	1.2 mm
Roll size:	1.0 m x 20 m

HYDRAULIC PROPERTIES

Water vapour transmission rate:	0.11 – 0.18 g/m²/day
Water tightness(60kPa):	Pass
Water tightness(196kPa):	Pass

By Appointment to
Her Majesty The Queen,
Building Material Manufacturers
Sovereign Chemicals Limited,
Barrow-in-Furness

Sovereign
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TECHNICAL DATA

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/m²/day
Toluene:	<13.8 mg/m²/day
Ethyl Benzene:	<2.7 mg/m²/day
Xylenes (M,P,O):	<7.7 mg/m²/day
Hexane:	<0.6 mg/m²/day
Vinyl Chloride:	<0.05 mg/m²/day
Trichloroethene (TCE):	<54.7 mg/m²/day
Tetrachloroethene (PCE):	<26.2 mg/m²/day
Naphthalene:	<0.0006 mg/m²/day
Dichloroethylene:	<1.1 mg/m²/day

GAS PERMEABILITY

Methane:	0.13 ml/m²/day/atm
Methane (jointed):	1.00 ml/m²/day/atm
Carbon Dioxide:	3.01 ml/m²/day/atm
Vinyl Chloride:	0.04 ml/m²/day/atm
Radon:	1.0 x 10^{-12} m²/s

COVERAGE

1 roll covers 20 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

COMPLIANCE AND CERTIFICATION

CE

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)

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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