ACS LINING LTD
ACS Business Centre
2-4, Middleton Road,
Heywood, Rochdale OL10 2HT
Tel: 01706 628524 Fax: 01706 628318

CE MARK TO EN 13967

ACS GAS RESISTANT MEMBRANE

ACS Gas Resistant Membrane 2019 is a Ground Gas Barrier Membrane that has been designed and developed as a solution to today's construction problems with contaminated land. The material is manufactured using a foil core, backed with an interweaved Polywoven 10 x 12 denier scrim reinforcement, which gives it one of the highest puncture resistance and tensile and tear strengths of any comparable product on the market. ACS Gas Resistant Membrane has been specifically designed as a Methane / Carbon Dioxide / Radon protection membrane to deal with both CS2 situations and NHBC Amber 1 & 2, which when combined with ACS Gasflow Venting products and our innovative designs, can deal with the full range of Characteristic Situations from CS2 to CS6. ACS Gas Resistant Membrane has been at the forefront of installation throughout the UK for over 25 years with jobs ranging from CS2 to CS6 requirements and is a cost- effective solution to current contaminated land problems. From a simple house plot, to a 120,000m² distribution depot, ACS Gas Resistant Membrane remains a market leader for installation throughout the UK.

PRODUCT DATA SHEET

Characteristics	Test Method	Units	Compliance	Values
Visible Defects	Physical Test		Pass/Fail	Pass
Length	Physical Test	M	Pass/Fail	Pass 50 mt
Width	Physical Test	M	Pass/Fail	Pass 1.6 mt
Puncture Resistance	ASTM F1306	N	3.3mm plunger	108
Tensile Strength (MD)	12311-1	N/50mm	-	675
Tensile Strength (CMD)	12311-1	N/50MM	-	530
Tensile Elongation (MD)	12310-1	%	-	18
Tensile Elongation (CMD)	12310-1	%	-	18
Nail Shank Tear (MD)	12310-1	N	-	350
Nail Shank Tear CMD	12310-1	N	-	420

BS 8485:2015 TESTING REQUIREMENTS

Methane Permeability	BS EN ISO 15105-1	<40 ml/m²/day/atm	Pass/Fail	Pass
Carbon Dioxide	BS EN ISO 15105-1	<40 ml/m²/day/atm	Pass /Fail	Pass
Thickness	EN 1849-2	mm	-3%+/3%	.4
Mass	EN 1849-2	g/m²		400

COMPLIANCE AND CERTIFICATION

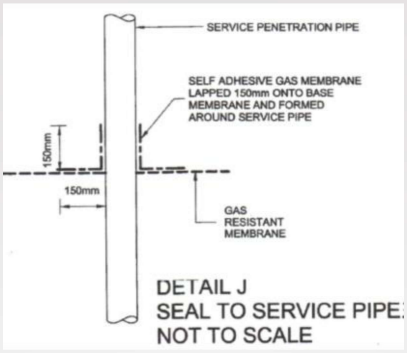
BS 8485: 2015 COMPLIANT

CE MARK – EN13967:2012

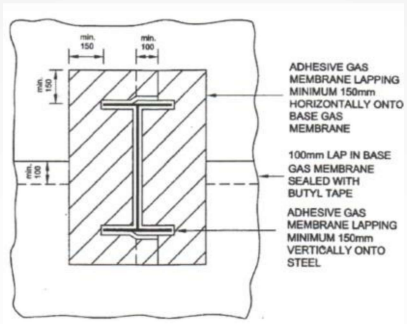
NHBC STANDARDS COMPLIANT

Company Reg No. 2956502
VAT No. 652 5326 44

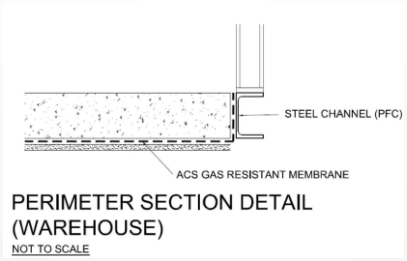
TYPICAL DETAILS



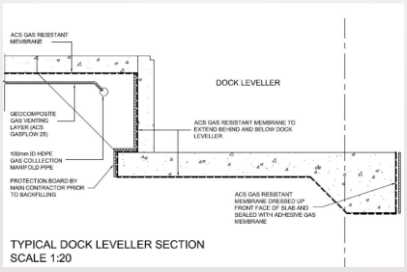
DETAIL J
SEAL TO SERVICE PIPE
NOT TO SCALE



DETAIL I
STEEL COLUMN FLASHING
N.T.S



PERIMETER SECTION DETAIL
(WAREHOUSE)
NOT TO SCALE



TYPICAL DOCK LEVELLER SECTION
SCALE 1:20

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ACS GAS RESISTANT MEMBRANE

HANDLING AND STORAGE

Rolls of ACS Gas Resistant Membrane should be stored on stable/level ground and stacked no more than five rolls high, with no other material stored on top and protected from exposure to UV Light.

Rolls weigh in excess of 20kg therefore appropriate care and equipment is required for unloading and handling.

INSTALLATION

ACS Gas Resistant Membrane should be installed in accordance with best practise and guidance contained within BS 8485:2015.

JOINTING AND SEALING

ACS Gas Resistant Membrane can be taped using ACS Butyl Tape or heat welded. Joints should be overlapped by at least 100mm and installed by ACS Lining's Employees who are qualified and fully trained to NVQ Level 2.

ACCESSORY PRODUCTS

ACS Lining Ltd has wide range of products to use in conjunction with ACS Gas Resistant Membrane. These include:

- ACS Butyl Tape
- ACS Self Adhesive Membrane
- ACS Preformed Top Hats and Corners
- ACS Gas Vent Sheet (25/50)

ADDITIONAL INFORMATION

Additional information can be obtained by contacting ACS Lining Ltd directly on 01706 628524 or enquiries@acslining.co.uk

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