Corden EPS Total Gas Barrier

BS 8485:2015+A1:2019 Compliant Gas Barrier

CORDEN EPS TOTAL GAS BARRIER

Corden EPS Total Gas Barrier is a multi-layer, low-density polyethylene membrane, reinforced with a polypropylene reinforcing grid with an integral aluminium foil.

Corden EPS Total Gas Barrier is specifically designed and manufactured to perform as a methane, carbon dioxide, radon ground gas, volatile organic compound and air & moisture protection system.

Corden EPS Total Gas Barrier complies with the latest codes of practice as published by BRE, CIRIA and BSI (BS 8485:2015+A1:2019)

Suitable for use as gas protection for NHBC GREEN, AMBER 1, and AMBER 2 site characterisations.

Corden EPS Total Gas Barrier			
Characteristic	**Test Method**	**Unit**	**Corden EPS TGB**
Physical Properties			
Thickness	EN 1849-2	mm	0.6
Thickness – Between Scrim	BS EN ISO 9863-1:2016	Mm	0.4
Width	EN 1849-2	M	Various
Length	EN 1849-2	M	Various
Weight	EN 1849-2	g/m2	370
Hydraulic Properties			
Water Column	EN 20811	-	>300
Resistance to water penetration	EN 13967, EN 1928	-	PASS
Water tightness	EN 1296, EN 1367, EN 1928	-	PASS
Mechanical Properties			
Resistance to Static Load	EN 12730 - B	Kg	20
Tensile Strength (MD)	EN 12311 -1	N/50mm	600
Tensile Strength (CMD)	EN 12311 -1	N/50mm	480
Tensile Elongation (MD)	EN 12311	-1 %	20
Tensile Elongation (CMD)	EN 12311	-1 %	20
Puncture Resistance	EN 12236	kN	1.25
Resistance to tearing (nail shank) MD	EN 12310	- 1 N	330
Resistance to tearing (nail shank) CMD	EN 12310	- 1 N	400
Durability and Chemical Resistance			
Transmission rate of volatile liquids - Diesel	ISO 6179:2010 (B)	g/m2/h	0.246
Transmission rate of volatile liquids - Xylene	ISO 6179:2010 (B)	g/m2/h	0.571
Transmission rate of volatile liquids - Toluene	ISO 6179:2010 (B)	g/m2/h	0.583
Transmission rate of volatile liquids - Petrol	ISO 6179:2010 (B)	g/m2/h	0.135
Gas Permeability			
Methane Permeability	BS EN ISO 15105 - 1	ml/m2/day/atm	<0.09
Carbon Dioxide Permeability	BS EN ISO 15105 - 1	ml/m2/day/atm	<0.09
Radon Permeability	K124/02/95	m2/s	8.0 x 10-15
Compliance and Certification			
CE Mark - EN13967:2012			
NHBC Standards Compliant			
BS 8485:2015+A1:2019 Accordant			

Corden EPS
www.cordeneps.co.uk
sales@corden-bssp.co.uk
44 (0)800 917 6565

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INSTALLATION

Corden EPS Total Gas Barrier should be installed in accordance with the product installation guidelines, and in accordance with BS 8485:2015+A1:2019.

JOINTING AND SEALING

It is recommended Corden EPS Total Gas Barrier be heat welded where possible, with welding carried out by competent personnel with suitable qualifications in accordance with best practice, and guidance contained within BS 8485:2015+A1:2019.
Corden EPS Total Gas Barrier should be overlapped by at least 100mm. If taping joints, only suitable tape must be used, ensuring application with a silicone roller to remove trapped air.
Corden EPS pre-formed details, or Self-Adhesive Gas Membrane are available for sealing around protuberances.

ACCESSORY PRODUCTS

A wide range of accessories are available for use with the Corden EPS Total Gas Barrier, including:

- EPS GAS TAPE
- EPS GRM SELF ADHESIVE MEMBRANE
- EPS PRIME
- EPS TOP HATS AND PREFORMED CORNERS CLOAKS
- EPS PROTECTION FLEECE
- EPS GEO-VENT VOID FORMER (25/40mm)

HANDLING

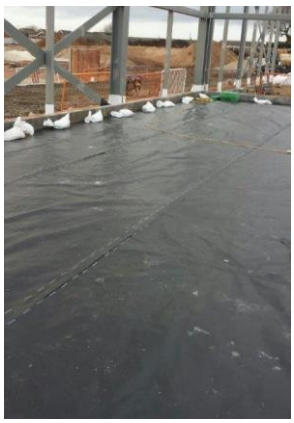
Roll weights can be in excess of 20kg and hence appropriate care and equipment is required for unloading and handling.

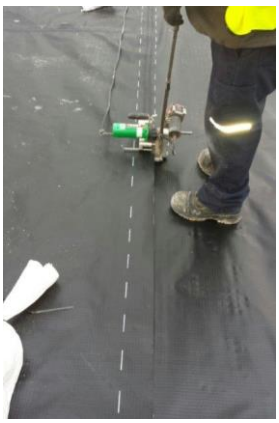
STORAGE

Rolls of Corden EPS Total Gas Barrier should be stored on stable/level ground and stacked not more than five rolls high, with no other material stacked on top. The rolls can be stored outdoors when packaged, but should be protected from exposure to UV.

ADDITIONAL INFORMATION

For additional information or assistance, please contact Corden EPS directly.





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