

CORDEN EPS GP2

Corden EPS GP2 Gas Barrier and High Performance DPM is a multi-layer, low-density polyethylene membrane, reinforced with a polypropylene reinforcing grid. EPS GP2 is specifically designed and manufactured to perform as a Radon, VOC, air & Moisture protection system.

EPS GP2 complies with the latest codes of practice as published by BRE and CIRIA for use as a GAS BARRIER.

Suitable for use as gas protection for NHBC **GREEN** and **AMBER 1** site characterisations

Corden EPS GP2			
Characteristic	Test Method	Unit	EPS GP2
Physical Properties			
Thickness	EN 1849-2	mm	0.5
Width	EN 1849-2	M	Various
Length	EN 1849-2	M	Various
Weight	EN 1849-2	g/m ²	275
Hydraulic Properties			
Water Column	EN 20811	-	PASS
Resistance to water penetration	EN 13967, EN 1928	-	PASS
Watertightness	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	500
Tensile Strength (CMD)	EN 12311 -1	N/50mm	470
Tensile Elongation (MD)	EN 12311 -1	%	15
Tensile Elongation (CMD)	EN 12311 -1	%	20
Puncture Resistance	EN 12236	kN	1.04
Resistance to tearing (nail shank) MD	EN 12310 - 1	N	400
Resistance to tearing (nail shank) CMD	EN 12310 - 1	N	350
Gas Permeability			
Methane Permeability	BS EN ISO 15105 - 1	ml/m ² /day/atm	<514
Carbon Dioxide Permeability	BS EN ISO 15105 - 1	ml/m ² /day/atm	<514
Radon Permeability	K124/02/95	m ² /s	4.3 x 10 ⁻¹²
Compliance and Certification			
CE Mark - EN13967:2012			
NHBC Standards Compliant			

INSTALLATION

Corden EPS GP2 should be installed in accordance with the product installation guidelines, and in accordance with BS 8485:2015.

JOINTING AND SEALING

It is recommended Corden EPS GP2 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.

Corden EPS GP2 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 is available for sealing around protuberances.

ACCESSORY PRODUCTS

A wide range of accessories are available for use with Corden EPS GP2, 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 GP2 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.

