

### Corden EPS Universal Gas Barrier

CORDEN EPS Universal Gas Barrier is a monolithic hybrid virgin polymer manufactured using the blown extrusion method.

The membrane contains no recycled material, as a result it is consistent and doesn't include any bio-degradable content thus providing excellent results for gas permeation.

The membrane is also suitable for use as a damp proof membrane.

CORDEN EPS Universal Gas Barrier prevents the transmission of harmful gases and due to the nature of its construction; the membrane overcomes problems associated with membranes manufactured from post-consumer recycled waste.

Corden EPS Universal Gas Barrier is suitable as a radon, carbon dioxide and methane barrier for NHBC Amber 1 situations and does not normally require third party verification (NHBC issue 20 – April 2016) For Amber 2 situations utilise Corden EPS Total Gas Barrier. Third party verification would be required.

#### Advantages

- Suitable for use on sites contaminated with radon carbon dioxide and methane (NHBC – Amber 1)
- 4 metre wide centre-fold membrane
- Premium DPM/vapour barrier
- Extremely tough with excellent resistance to tear and puncture
- Compatible with vented systems
- Conforms to the requirements of BR211, NHBC Amber 1

#### Corden EPS Can Offer:

- Design solutions offering the most cost effective system to comply with current legislation.
- Independent Integrity testing (site based)
- Independent Verification reports (site based)
- Bespoke systems to overcome difficult situations
- Supply and install service with on-site fabrication/welding
- Next-day Delivery

### Product Specification

Physical Description	Test Method	Value/Units
Weight		356g/m <sup>2</sup>
Thickness		375µ
Colour		Varying
Roll Size		4m x 20m
Technical Performance		
Tensile strength	MD	21.5MPa
	CD	29.4MPa
Elongation at max load	MD/CD	> 800%
Dart impact strength		1.012kg
Tear Resistance	MD	248N/mm
	CD	303N/mm
Radon permeability		4 x 10 <sup>-12</sup> m <sup>2</sup> /s
CO <sub>2</sub> Transmittance		26.53cc/m <sup>2</sup> /hr
Methane transmittance		0.16g/m <sup>2</sup> /day
Moisture Vapour transmission		0.16g/m <sup>2</sup> /day
Roll weight		28.48kg

#### Ancillary Products

- CORDEN EPS Gas and Lap Tape
- CORDEN EPS GRM. Self-adhesive Gas Barrier
- CORDEN EPS Geo-Vent + venting components
- CORDEN EPS Liquid Vapour Membrane
- CORDEN EPS Top Hat Pipe Cloaks
- CORDEN EPS GR DPC. Gas resistant DPC
- CORDENEPS Radon Sump
- CORDEN EPS Pre-formed Cloaks, Internal / external corners, Door threshold cloaks, Party wall tray.

