

Technical Data Sheet

GPS Universal Gas Barrier

(Radon, Carbon Dioxide and Methane barrier for NHBC Amber 1 situations)

GPS Universal Gas Barrier

GPS 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.

GPS 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.

GPS 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 GPS Total Gas Barrier. Third party verification would be required.

Product Specification

Physical Specification	Test Method	Value/ Units
Weight		356g/m ²
Thickness		375mu
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 ⁻¹² m ² /s
CO ₂ Transmittance		26.53cc/m ² /day
Methane Transmittance		0.16g/m ² /day
Moisture Vapour Transmission		0.16g/m ² /day
Roll Weight		28.48kg

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

System Components

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



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