

## Technical Data Sheet

### GPS Radon (Rn) Barrier (Radon Gas Resistant Membrane (BR211))

#### GPS Radon (Rn) Barrier

Radon is a naturally occurring radioactive gas formed by the breakdown of uranium and radium.

GPS Radon Barrier/Membrane is a monolithic, high quality, LDPE blown film membrane with high puncture and tear resistance.

The product is used as part of a full radon gas protection system and will meet all current legislation – BR211. The membrane is also suitable for use as a damp proof membrane.

GPS Radon Barrier/Membrane prevents the transmission of harmful gases. Due to the nature of its construction, the membrane overcomes problems associated with membranes manufactured from post-consumer recycled waste.

#### Product Specification

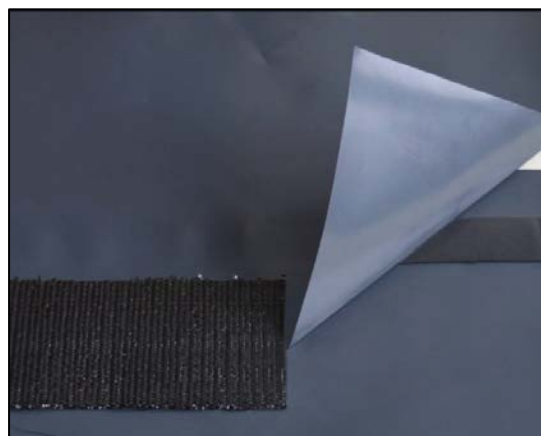
Physical Specification	Test Method	Value/ Units
Weight		276g/m <sup>2</sup>
Thickness		300mu
Colour		Anthracite
Roll Size		4m x 20m
<b>Technical Performance</b>		
Tensile Strength	MD	17.7MPa
	CD	17.3MPa
Elongation at Max Load	MD	Greater than 860%
	CD	Greater than 910%
Dart Impact Strength		0.710kg
Tear Resistance	MD	100N/mm
	CD	94.5N/mm
Radon Permeability		4.7 x 10 <sup>-12</sup> m <sup>2</sup> /s
Moisture Vapour Transmission		0.12g/m <sup>2</sup> /day

#### Advantages

- Suitable for use on sites contaminated with higher concentrations of Radon.
- 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

#### 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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