

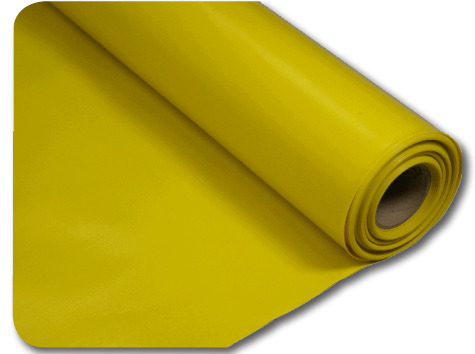
## Rhinoplast Super Gas Barrier

### Data Sheet

#### Product Description

Rhinoplast Super Gas Barrier is a monolithic hybrid virgin co-polymer membrane manufactured using the blown extrusion method.

The product contains no recycled raw materials and is therefore consistent and cannot include bio degradable content. Furthermore, the membrane gives excellent results when used with sealing tapes.



#### Introduction

The Rhinoplast range of Gas Barrier Systems has been designed to provide a complete solution to the problems associated with construction on land associated with a range of hazardous gasses, when installed in accordance with the relevant codes of practise. The primary method of protection to the structure is by way of a complete "footprint" membrane system combined with underfloor passive venting. The key to a successful outcome is installation. The best membranes poorly installed are likely to fail. The Rhinoplast range includes pre-formed details and tapes to facilitate this. Where necessary we will provide on-site advice and training to ensure a successful outcome. We even offer a "pre pour" inspection service to ensure correct installations and detailing. These barriers are designed to protect structures and inhabitants from the effects of these gasses. They will also act as damp-proof membranes where applicable and are intended to last the life time of the building. All of our membranes can be welded. With the increase in awareness of such gasses, along with more and more stringent requirements, it is becoming more and more important for contractors to use "fit for purpose materials" in the secure knowledge that they will perform satisfactorily. As pressure mounts on the construction industry to build on "Brown Field Sites" the demand for these products is increasing daily. All Rhinoplast membranes will also function as damp-proof membranes and are CE marked to BS EN 13967 for this purpose.

#### Colour:

Yellow

#### Technical Data:

Property	Test Method	Data
Weight		356g/m <sup>2</sup>
Thickness		375µm
Tensile Strength	MD	21.5MPa
	CD	29.4MPa
Elongation	MD & CD	>800%
Dart Impact Strength		1.012kg
Tear Resistance	MD	248N/mm
	CD	303N/mm
Low Temperature Flexibility		-25°C
Radon Permeability		4x10 <sup>-12</sup> m <sup>2</sup> /s
CO <sub>2</sub> Transmittance		26.53cc/m <sup>2</sup> hr
Methane Transmittance		6.43cc/m <sup>2</sup> hr
MVTR		0.16g/m <sup>2</sup> /day
Standard Roll Width		4m
Standard Roll Length		20,25m
Standard Roll Weight		28.48
		35.60kg

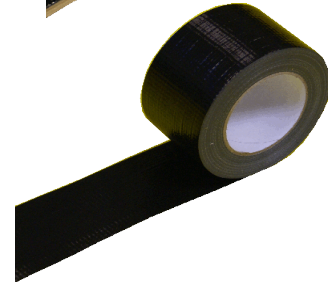
## Ancillary Components

### Rhinoplast Joint Strip

A butyl modified reinforced double sided bitumen tape, 1.5mm thick, designed to form a gas tight gasket. Excellent adhesion and tolerance to damp conditions.

**Colour:** black.

Available in: 50mm x 15m rolls,  
100mm x 15m rolls



### Girth Tape

A single sided girth tape used to secure and protect linear joints. Excellent adhesion, dimensionally stable and water resistant.

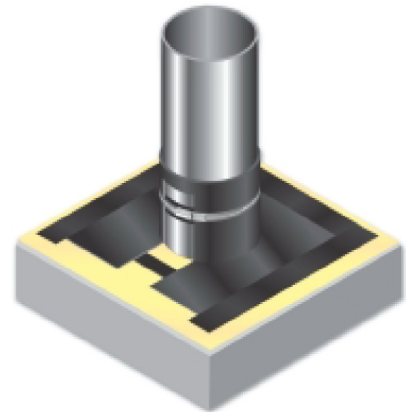
**Colour:** black.

Available in: 72mm x 50m rolls.

### Top Hats

A pre-formed pipe seal complete with stainless steel jubilee clip. Easily fixed and sealed on site.

Size range from 50mm to 200mm.



### Radon Sump Units

The Radoncare Sump and Cavity Gas Vent System is manufactured by a rotational moulding process from heavy duty polyethylene. The sump is constructed with a solid roof and base and is provided with 40mm diameter holes in the walls. Spigots for 100mm pipe connections are provided at each end of the sump, but are blanked off with knock outs to allow choice of direction for extract pipe. The cavity gas vent comes with a detachable polyethylene cap, which can be easily removed if an extraction system has to be attached.



### Useful References

The Building Regulations Approved Document Part C 2004, CP 102: 1973 code of practice for the protection of buildings against water from the ground.

**BR211** "Radon - Guidance on protective measures for new buildings"

**BRE414** "Protective measures for housing on gas-contaminated land"

**CIRA 665** Ground gas handbook 2009

**BS8485:2015** Code of Practice for the Characterization and Remediation from Ground Gas in Affected

Developments **NHBC** "Guidance on methane and carbon dioxide" and technical extra April 2016, issue 20.

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