

# Provoid 25 & 40

GAS PROTECTION

## • HIGH RISK CHARACTERISTIC SITES •

### REGULATIONS COMPATIBILITY TABLE

	CIRIA 665 CHARACTERISTIC SITUATION 2	CIRIA 665 CHARACTERISTIC SITUATION 3-6	BS8485 CHARACTERISTIC SITUATION 2	BS8485 CHARACTERISTIC SITUATION 3-6	BRE 211 RADON	NHBC AMBER 1	NHBC AMBER 2 & RED
METHANE	✓	✓	✓	✓	N/A	✓	✓
CARBON DIOXIDE	✓	✓	✓	✓	N/A	✓	✓
RADON	N/A	N/A	N/A	N/A	✓	N/A	N/A
HYDROCARBON VAPOURS & LIQUID	✓	✓	✓	✓	N/A	✓	✓

### DESCRIPTION

Provoid is a thick single-sided geocomposite that provides a void beneath floor slabs which, when connected to air inlets and outlets, allows sufficient air changes to dilute gases to safe concentrations when designed correctly.

Provoid can be laid in strips at predetermined centers or in a full blanket depending on site requirements. Being a shallow product means there is a reduced dig when compared to the alternative of 200 to 300mm of clean stone. If Provoid is laid in strips it must be bedded in 200mm of clean stone to achieve a good venting performance in compliance with BS8485:2015.

Provoid is also extremely strong and flexible and can be supplied in rolls of upto 45m<sup>2</sup>; therefore large areas can be covered very quickly.

Provoid is flexible and can be laid horizontally and vertically to deal with awkward foundation arrangements. Because of its flexibility, it will cope easily with settlement under the slab without compromising the system.



TYPICAL PROPERTIES	25	40
Roll Length	50m	50m
Width	450mm / 900mm	450mm / 900mm
Thickness	25mm	40mm
Compressive strength	300 kPa	200 kPa
Gas flow capacity - Composite	0.07 m <sup>3</sup> /s (Calculated!)	0.033 m <sup>3</sup> /s (Calculated!)

<sup>1</sup>Gas flow calculation based on a discharge coefficient of 0.61 with a pressure difference of 10Pa and a standard air density of 1.29kg/m<sup>3</sup>

### SPECIFICATION

A. Proctor Group can provide a design service from plans and site investigation reports. Please contact our technical desk for further information. Venting systems should be designed on a site specific basis.

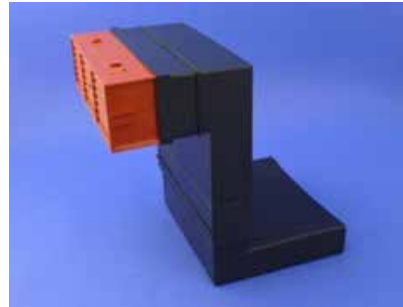


**ACCESSORIES**

Venting System Components  
7,000mm<sup>2</sup> ventilation area

- 1: Ground Level Gully Vent Box\*
- 2: Provoid Connector 'T-Piece'
- 3: Provoid (Geotextile side down)

Other examples of Air Inlet / Outlet options:  
Periscopic Underfloor Ventilator 7,750mm<sup>2</sup> ventilation area



\* Provoid Gully Vent Boxes need to be set in a 150mm surround of no fines concrete. No vehicular trafficking should be driven over Gully Vents.



Download a full Gas Protection brochure from our website...  
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