

## Triton TGS – GV25



### DESCRIPTION

**Triton TGS – GV25** is a 25mm 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.

**Triton TGS - GV25** can be laid in strips at predetermined centres or in a blanket as required and being only 25mm thick, means there is a reduced dig when compared to 200mm or 150mm blanket of stone. It is also extremely strong and flexible with a crush resistance of 250kpa and is supplied in rolls of 45m<sup>2</sup>; therefore large areas can be covered very quickly.

**Triton TGS – GV25** 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.

### 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	✓	✓

### SPECIFICATION

Triton Systems can provide a design service from plans and site investigation reports. Please contact our technical department for further information.

### Typical Properties

! Roll Length:	50m
! Width:	450mm / 900mm
! Thickness:	25mm
! Creep Resistance 200Kpa for 100hrs:	5% Max
! Intrinsic Permeability (k):	$<1.2 \times 10^{-5} \text{ m}^2$
! Forecheimer Term:	$<24.0 \text{ sm}^{-1}$
! Ultimate compressive strength at yield:	225kN/m <sup>2</sup>

### Accessories

Venting System Components  
6,000mm<sup>2</sup> ventilation area



1. Ground Level Gully Vent Box\*
2. Connector T-Piece
3. Triton TGS-GV25

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ound of no fines concrete. No vehicular trafficking should be driven over Gully Vents.



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- ! Consideration of Site Investigation Reports and Gas Monitoring Results so that advice can be supplied on the gas characteristics and protection needed on site
- ! A comprehensive range of membraned and venting systems to protect against Methane, Carbon Dioxide, Radon, Hydrocarbons and VOC contaminants. BBA Certification available on our standard membranes.
- ! As part of the design service we are able to offer a take-off service for the components required to install the project on-site.
- ! Full Design available on gas contaminated sites in accordance with BS8485, CIRIA 665, NHBC and Local Authority Ground Gas Handbook.
- ! Liaison between main contractors/sub-contractors/building control/consultants and design teams to ensure correct specification and installation of the gas protection system.
- ! Recommendations available for independent validation and integrity testing service consultants.
- ! Recommendations available for SUDS and Storm water drainage system design (at risk). Value engineered designs available, through links with consultants, with full drainage layouts available and installations by specialist contractors.

For further information please contact:

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