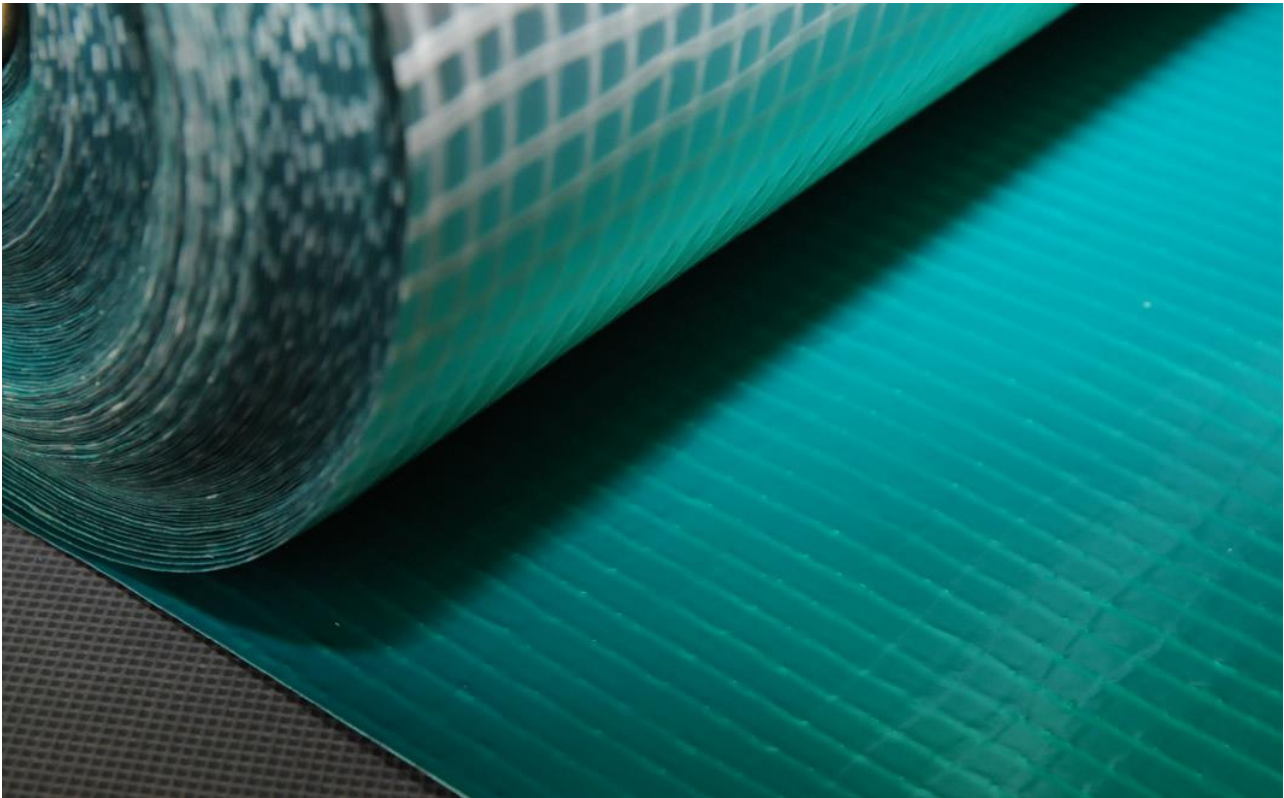


## Triton TGS – HP750



### DESCRIPTION

**Triton TGS – HP750** is a high performance proprietary reinforced gas barrier, that incorporates a 12 micron aluminium foil layer, for maximum protection against ground-borne gases. **Triton TGS – HP750** can be used to protect against Hydrocarbon Vapours when not in direct contact with the ground i.e., above block and beam floor design. This has been specifically designed to conform with the latest guidance documents. Due to its unique composition, the membrane is extremely robust and flexible and therefore, easy to install on site. The membrane also provides protection from damp when placed below the slab and therefore, there is no need to install a separate DPM.

### 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

### SPECIFICATION

Ciria 665, BS8485 & Local Authority Ground Gas Handbook recommended that gas membranes are specified on the basis of the 'need to survive' construction, i.e. use one that is puncture and tear resistant.

Thickness should not be the main determinant of the suitability of a membrane for a particular site, although it can indirectly influence some key performance parameters.



In practice, because of the nature of construction sites, the durability, survivability and robustness of membranes are equally important than purely permeability to gas.

**Triton TGS – HP750** incorporates a reinforced grid to ensure that maximum protection is achieved when installed to manufacturers' instructions.

The need for high quality workmanship during installation should not be under-estimated. The health and safety of the occupants of the building is dependent on its satisfactory performance. If installed incorrectly or damaged during the construction process, the membrane is rendered ineffective and will fail to provide adequate protection against the ingress of ground gas or vapours

### Typical Properties

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- |  |                           |
|--|---------------------------|
| • Roll Length:                                 | 50m                       |
| • Width:                                       | 2m                        |
| • Weight:                                      | 0.37kg/m <sup>2</sup>     |
| • Thickness:                                   | 0.4mm                     |
| • Colour:                                      | Green / Silver            |
| • Methane Permeability (K <sub>g</sub> ) (m/s) | 7.799 x 10 <sup>-12</sup> |

### Required Accessories

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- TGS – HP750 Starter Band (1m x 50m)
- TGS – HP750 Tape
- TGS – HP750 Tophats
- TGS – HP750 (Self Adhesive Gas Membrane)
- TGS – HP750 Flashing Strip
- TGS – HP750 Corner Units
- TGS – HP750 Primer
- TGS – HP750 3mm Protection Board
- TGS – HP750 Protection Fleece

### Venting

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We can provide design advice for both passive and active venting systems to suit individual site requirements.

For further information please contact:

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