



## Case Study

### Triton supplied:

Triton TT Vapour Membrane, Triton Ground Gas Fan, Triton Fillet Seal, Triton Injection Mortar



The almshouses are situated just metres from a landfill site

### TRITON GROUND GAS BARRIER SYSTEMS PROTECT ALMSHOUSES FROM LANDFILL GAS

Triton products, including liquid applied TT Vapour Membrane, were specified to form a ground gas barrier system in the redevelopment of listed almshouses, situated in close proximity to a landfill site. Externally, two coats of TT Vapour Membrane were applied to the entire wall area extending below internal floor level to the base of the wall/foundation level. Internally, two coats were applied to the new floor slab.

A perforated sub floor drain linked to Triton's Ground Gas Fan under the new slab (see diagram on next page).



Triton TT Vapour Membrane to external walls



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Triton Injection Mortar was used to provide a new damp proof course, as well as improving the impermeability of the wall to ground gas migration. (The mortar is designed to be a pore blocking damp proof course – unlike traditional Silicone resin systems which are pore lining types.) Triton Fillet Seal was installed to all wall floor junctions, prior to two coats of Triton TT Vapour membrane being applied to the entire floor area, returning up the walls to beyond the new damp proof course.

Triton TT Vapour Membrane is a ready blended coating that acts as a waterproof barrier against Radon, Methane and Carbon Dioxide. It can be retro-applied to concrete, masonry and brick substrates by airless spray, roller or brush to walls.

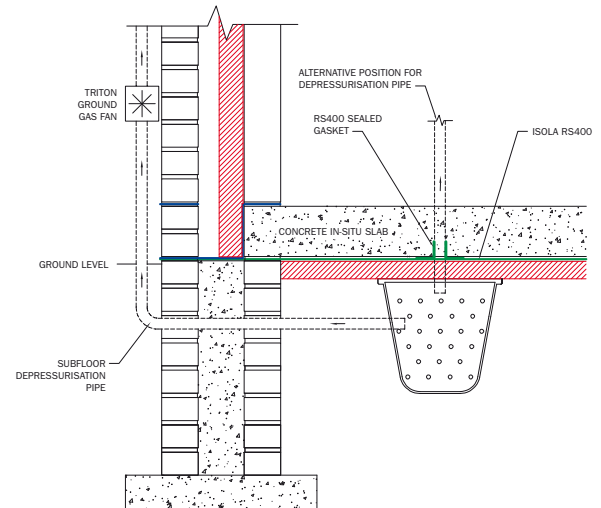
Read more about Triton's barrier systems for ground gases such as Radon and other contaminants at [tritonsystems.co.uk](http://tritonsystems.co.uk)

**Triton approved contractor:**

**R. Liddiard, R Nicholas, Herefordshire**

**Telephone: 01981 250636**

### TYPICAL TRITON RADON SUMP/GROUND GAS FAN + RADON STOP 400 (RS400) DETAILING NEW BUILD



**Triton Systems**

Units 3 – 5 Crayford Commercial Centre, Greyhound Way,  
Crayford, Kent DA1 4HF

Tel: 01322 318830

Fax: 01322 524017

Email: [info@tritonsystems.co.uk](mailto:info@tritonsystems.co.uk)

[www.tritonsystems.co.uk](http://www.tritonsystems.co.uk)