



**Press Release**  
**March 28<sup>th</sup> 2017**

## **Ground gas protection system to new build primary school**

***Triton Systems designed and supplied a ground gas protection system for a new build primary school site in Somerset, on instruction from engineers, Stride Treglown.***

Certus Construction Ltd installed the system to protect the site from ground gasses on the contaminated, brown field site in accordance with BS8485, CIRIA 665, NHBC and the Local Authority Ground Gas Handbook.



The system comprised Triton's [TGS-GV25](#), a 25mm thick, single sided geo-composite that provides a void beneath the floor slab and, when connected to the air venting system, allows sufficient air changes to dilute any gases present. The TGS-GV25 was installed in strips at 6 metre centres across the site and linked to ground level vent boxes before the installation of insulation and [Triton's TGS-HP750 membrane](#) as a gas and waterproofing barrier.

BBA approved TGS-HP750 is a high performance reinforced gas barrier that incorporates a 12 micron aluminium foil layer, for maximum protection against ground gases. Due to its unique composition, the membrane is extremely robust and flexible and easy to install on site. As it also provides protection from damp when placed below the slab, there is no need to install a separate DPM.

The steel intense ring beam was treated with Triton's liquid applied TT Vapour Membrane, which is easily applied around awkward details, before the TGS-HP750 was sealed to it to create a fully sealed gas-proof and waterproof system.

For further information about Triton's range of ground gas barriers [read more here](#).

### **Ends**

Triton Systems  
Tel: 01322 318830  
[info@tritonsystems.co.uk](mailto:info@tritonsystems.co.uk)  
<http://www.tritonsystems.co.uk>