

Gas Membranes & Venting Systems

Market leaders for decades, Butek Landline's combined knowledge & expertise provides supply, installation and design solutions for all gas and hydrocarbon contaminated sites.



Our design and contracting capability now offers some of the foremost specialist containment solutions throughout Europe and the UK, focussing on fully understanding our clients needs to provide cost effective engineered solutions to an extensive range of containment challenges.

Associated Sectors

Hydrocarbon &
Chemical



Landfill &
Environmental



Effluent
Treatment



Water
Engineering



Drinking
Water



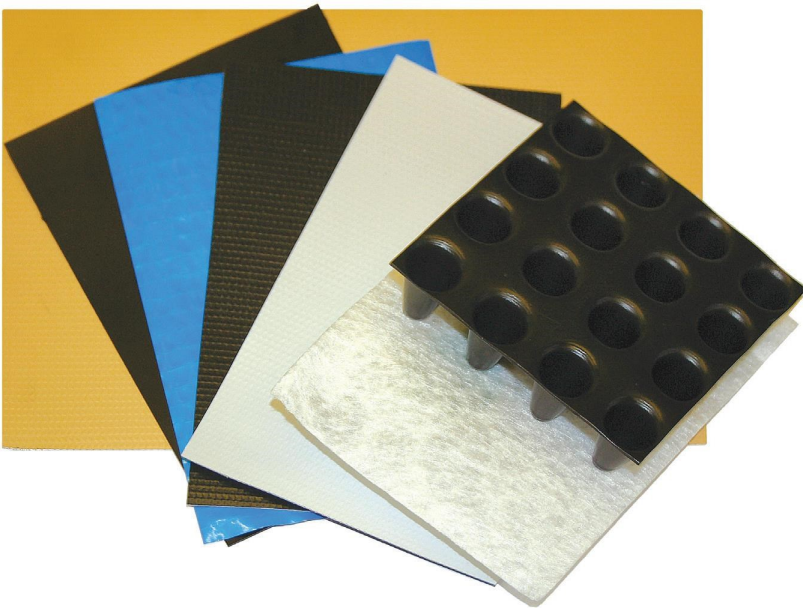
Please take a look at our website to see how our range of solutions can help you

www.butek-landline.co.uk

Materials

Butek Landline use only high quality, robust materials that comply with the requirements of CIRIA C665. The materials, installation procedures and designs are acknowledged as satisfying the highest standard requirements. Butek Landline have developed a wide range of materials to ensure that we can provide the very best material for each specific circumstance.

We do not operate a 'one size fits all' policy and we will always provide an appropriate solution for your particular gas protection needs.



The Butek Landline product range is designed to protect against many types of gas contamination.

- Methane
- Radon
- CO₂
- Hydrocarbons
- VOC's

Material Availability:

All gas membrane materials are available on a roll form supply basis or can be pre-welded to provide custom sized panels.



Design

Butek Landline offer a complete design service based on CIRIA guideline C665 and DETR venting design documents, including detailed specification and construction drawings. We are also pleased to liaise with local authorities and other statutory bodies to ensure full compliance.

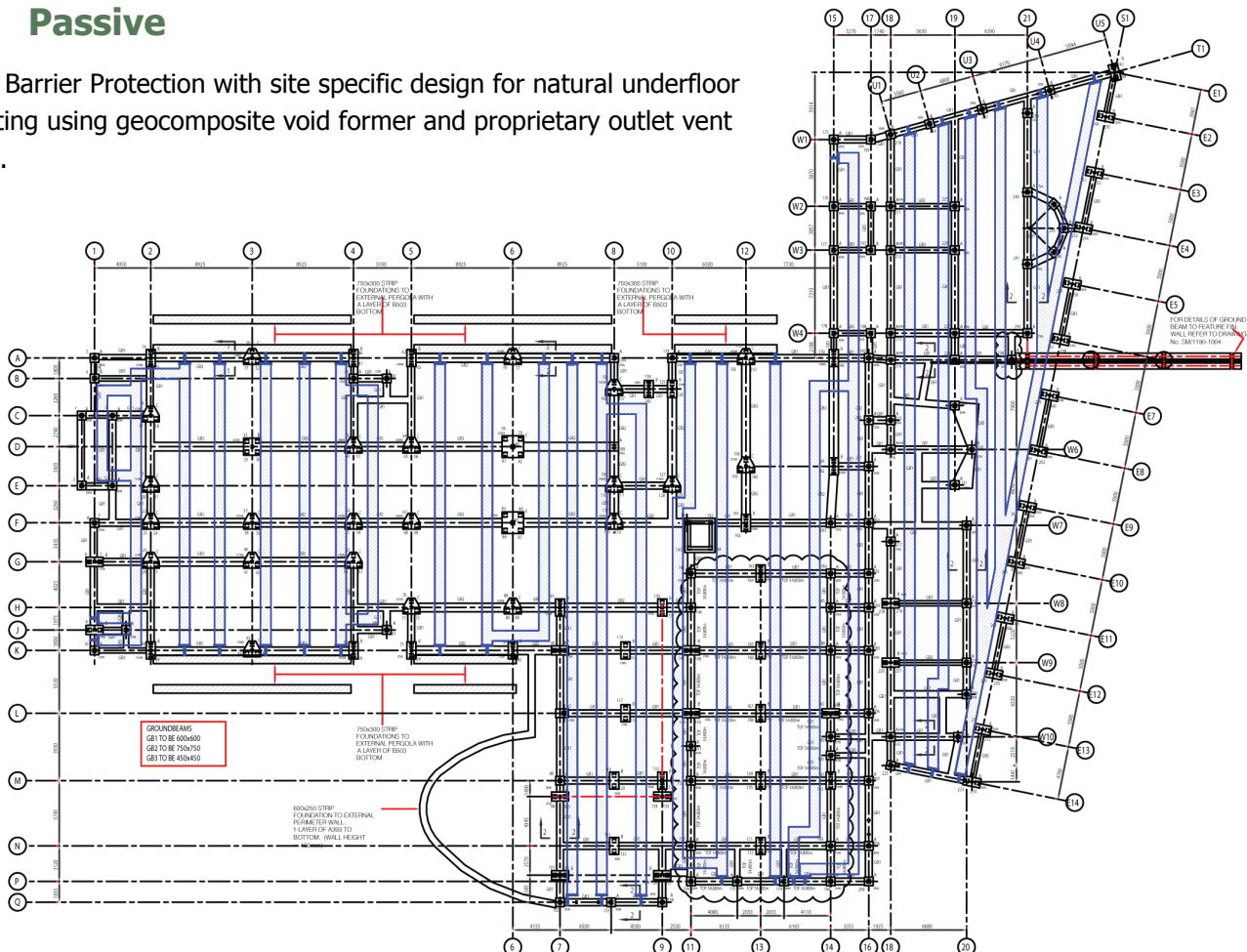
In order to make design recommendations and provide the optimum gas protection system, we would require extracts from the following documents:

- Site Investigation Report
- Foundation Drawing
- Gas Monitoring Results

Typical Gas Protection Systems provided by Butek Landline

A) Passive

Gas Barrier Protection with site specific design for natural underfloor venting using geocomposite void former and proprietary outlet vent sets.



B) Active

Gas Barrier Protection with mechanically aided underfloor venting operating under negative pressure.



C) Intelligent

Our latest development is a state of the art system that monitors, controls and reports on the gas levels within the sub floor building environment. The system is sensor operated and fully automated.



Installation

It has been recognised that 'The key issue surrounding gas membranes is their ability to survive the construction process intact'. *(C665, p.90)*

With this in mind, Butek Landline select the most appropriate material and install in accordance with a fully certified CQA system. The system enables independent engineers to monitor the progress of the installation and allows for provision of documented Quality Assurance manual on completion of the works. Installations performed in this manner are deemed to be at least risk of failure. *(C665, Table 5.3).*



Cambuslang Investment Park, Gas Protection: W A Fairhurst & Interserve

Butek Landline provides a full installation service, using our own directly employed operatives. It is recognised that a fully welded jointing system is the most secure method of sealing gas barriers. The company uses fully welded jointing systems in all of their installations. This allows for fast installation even in inclement weather when adhesive systems would be ineffective.

The use of appropriate membranes allows further cost effectiveness as expensive protection boards or blindings are often not required. All of our operatives are TWI certified and CSCS card holders, and all of our installations carry a full installation warranty.

Butek Landline

Containment Solutions

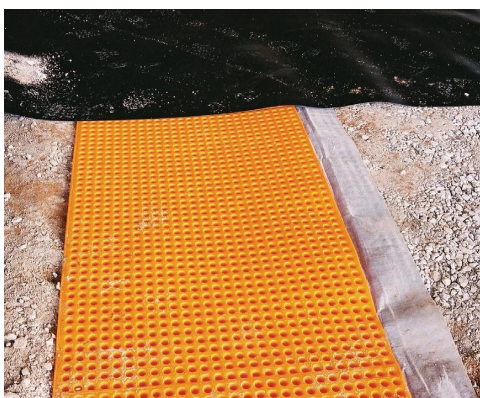
Complete Gas
Protection Solutions

Butek Landline works in partnership with main contractors to provide cost effective projects on time and on budget.

Our full understanding of regulatory requirements, coupled with single source responsibility, allows contractors and designers alike to be provided with a comprehensive warranted solution for all gas and hydrocarbon contaminated sites.



Ridgeons Sudbury, Laser Screeding over PE200HD 2.0mm Landflex HDPE gas membrane



Landflex ZR Venting Geocomposite



Landflex ZR Vent Outlets

Integrated Systems

Butek Landline provide a full package of integrated membrane and venting details, specifically to suit the constraints of the development.

Manufacturing Headquarters



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Butek Landline
Containment Solutions