Aldervent Geo-Void 100

Ventilation Systems

Designed to allow for sufficient through flow of air below the perimeter of the building to enable sufficient dilution of potentially dangerous ground emitting gas even on active gassing sites.

The Geo-void 100 ventilation blanket creates a 99 mm clear equivalent void space beneath the footprint of the building. Flow of air from atmosphere through the blanket and expulsion through calculated outlets is increased and enhanced by the unique leg support design.

Preventing build up of dead pots and the creation of no flow calm areas created by natural turbulence and the effects of buoyancy in total clear large void areas.

The overall depth of 150 mm reduces the need for large volume fill removed to accommodate the void space.

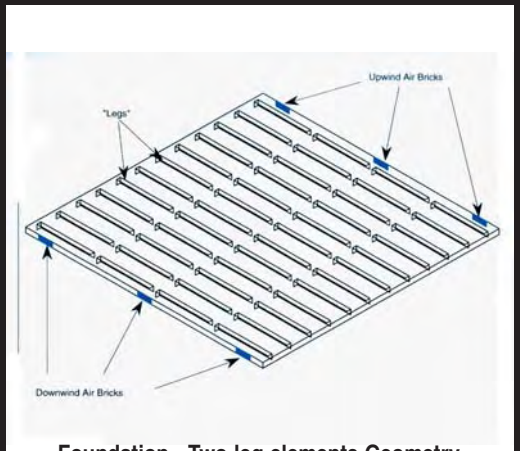
Full CFD (Computation Fluid Dynamics) modelling has been undertaken conforming to the Partners in Technology recommendations.

Due to the large void space created on very active high flow sites active extraction systems can be attached easily and economically to allow for high volume controlled gas expulsion.

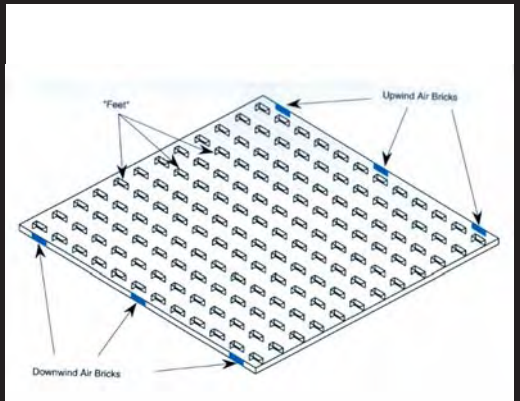
The Geo-void 100 system is available in a number of leg formations dependent on site specific requirements and structural necessity.

The resultant footprint blanket creates a flat finished surface for the installation of a suitable gas barrier membrane and construction of the finished floor slabs.

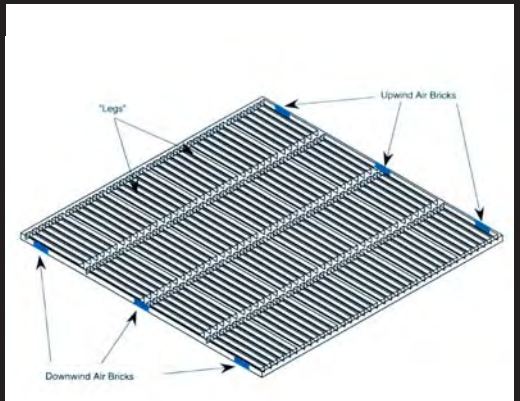
Geo-void 100 ventilation system is supplied as part of a total underfloor ground ventilation and barrier system and is only available as a component of an Alderburgh Accredited system installed by trained operatives and covered under



Foundation - Two-leg elements Geometry



Foundation - Six-feet elements Geometry



Foundation - Six-leg elements Geometry

Technical Details	1200 x 1200 x 150 mm overall dimension
Leg formation	to suit site requirements
Loading	Dependent on site requirement 30kN/m2 - 1400k/m^2