

HYDROVOID 2000

Gas Ventilation Membrane

DESCRIPTION

HYDROVOID 2000 is a cusped ventilation mat which incorporates a non-woven geotextile which when installed beneath a structural concrete slab, will provide a void to allow for the dispersion of ground gases, which may collect beneath a structure. It is supplied with a variety of accessories which are combined to produce an effective ventilation system which conforms with BS 8485:2015.

USES

HYDROVOID 2000 is installed beneath structural concrete slab, either as a complete blanket or at pre-determined centres to provide the required ventilation / dispersion layer. The membrane is terminated into a collection manifold or gravel filled trenches to provide the required dispersion of hazardous ground gases. HYDROVOID 2000 is designed for use in conjunction with HYDROPRUFE 9000 and COMBI-SEAL gas membranes. The installed ventilation system will achieve 1.5 points for good performance or 2.5 points for very good performance in accordance with BS 8485: 2009 table 3.

ADVANTAGES

- Cost effective method of void forming, compared to traditional methods.
- Easily installed by semi-skilled operatives.
- High compressive load stability.

PROCEDURE

Surface Preparation: Ensure that the sub-base is relatively flat and free from excessive surface undulation. The sub-base should be well compacted.

Application: If HYDROVOID 2000 is to be laid as a complete blanket to the insight of the structural concrete slab then the adjoining sheets should be but jointed and the geotextile membrane should be lapped onto the adjacent sheet and taped if required. HYDROVOID 2000 may then be terminated into a slotted manifold pipe which will collect the ground gas and root to a vent pollard or outlet. If HYDROVOID 2000 is designed to be installed at pre-determined centres, then the sheet should be unrolled and terminated into a vent trench or manifold pipe accordingly.

Application to Pilecaps: For application through Pilecaps the HYDROVOID 2000 should terminate into the HYDRVOID SLOTTED VENT MAT CONNECTOR, which should transfer through the pilecap with a cast in HYDROVOID TWINWALL PIPE.

Application to Slab Edge: HYDROVOID 2000 should terminate into the HYDROVOID SLOTTED VENT MAT CONNECTOR outside of the structural slab edge. Connection into the HYDROVOID GULLEY VENT BOX should be achieved with a direct connection, or depending on the application the HYDROVOID 90o 110mm BEND may be required.

ANCILLARY ITEMS

- HYDROVOID GULLEY VENT BOX C/W T-CONNECTOR
- HYDROVOID 90° 110mm BEND
- HYDROVOID END CAP
- HYDROVOID GAS VENT PIPE 110mm x 3M
- HYDROVOID SLOTTED COLLECTION PIPE 110mm x 3m
- HYDROVOID SLOTTED VENT MAT CONNECTOR
- HYDROVOID TWINWALL PIPE



Revision date: 23/1/23

PACKAGING & COVERAGE

Pack Size: HYDROVOID 2000 is supplied as a 0.9 x 50m roll.

STORAGE & SHELF LIFE

HYDROVOID 2000 should be stored away from direct sunlight. It will have a shelf life in excess of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.

Property	Value
Cuspate Hight	25 mm
Weight	1.3 Kg/ M ²
Compressive Strength	300 kPa
Gas Flow Rate	0.024 M ³ /Sec