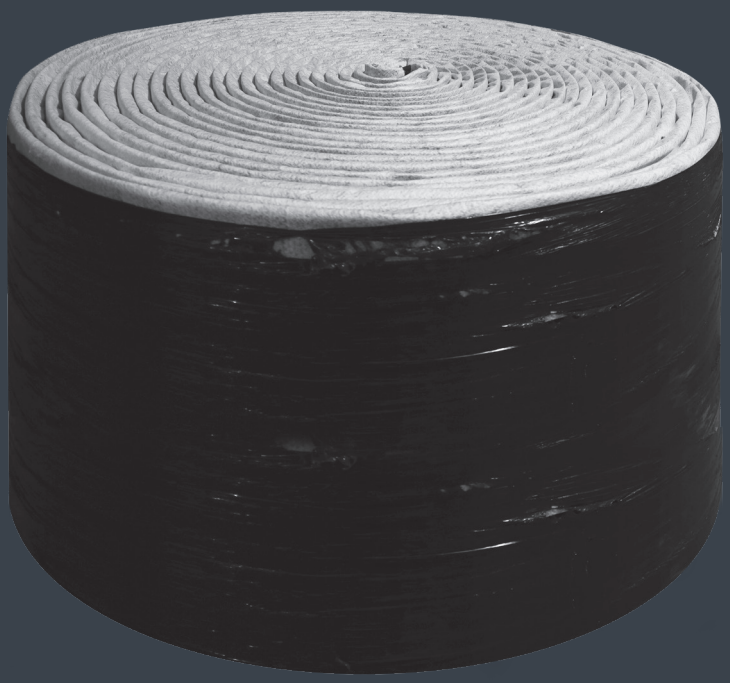
TECHNICAL DATA SHEET

HYDROVOID 2000

Gas Ventilation Membrane



PREMCRETE

HYDROVOID 2000



DESCRIPTION

HYDROVOID 2000 is a cuspated 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 COMBISEAL 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: 2015+A1:2019 table 3.

ADVANTAGES

- Easily installed by semi-skilled operatives.
- High compressive load stability.

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Cuspate Height	N/A	25mm
Weight	N/A	1.3 Kg/ M^2
Compressive Strength	N/A	300 kPa
Gas Flow Rate	.N/A	024 M^3/Sec

HYDROVOID 2000

INSTALLATION 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 underside of the structural concrete slab then the adjoining sheets should be butt-jointed and the geotextile membrane should be lapped onto the adjacent sheet. HYDROVOID 2000 should be installed with geotextile facing down. Ground gas will percolate through the geotextile filter into the void and migrated to the perimeter of the structure. 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 900 110mm BEND may be required.

PACKAGING & COVERAGE
Pack Size
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 Data Sheet.

ANCILLARY PRODUCTS
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

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