PRODUCT DATA SHEET

Pro Void Vent 25



Description

Pro Void Vent 25 offers a passive venting solution which facilitates the dispersal and dilution of dangerous ground gases. Pro Void Vent 25 has been specially designed to provide for high levels of air and/or gas flow.

Pro Void Vent 25 is a cuspated HDPE (High Density Polyethylene) membrane with a geotextile filter/separator. Pro Void Vent 25 has been designed to be installed with the geotextile filter side of the product to be in contact with the ground to allow for air and/or gas flow.

Pro Void Vent 25 should be used in conjunction with an approved gas protection barrier in accordance with recommendations contained within NHBC guidance and BS 8485:2015+A1:2019.

Features

- Does not support bacterial growth (HDPE)
- Tough, durable design
- Highly resistant to acids and alkalis
- High resistance to puncture
- High gas flow capacity
- Made in accordance with the recommendation contained within NHBC Guidance and BS8485:2015+A1:2019, complies with BRE 211:2015
- Suitable for new and existing structures
- Creates a de-pressurisation zone for collection of ground gases

Specification

- BS 8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings
- NBS Specification D21/360 Geocomposite venting layers

Product Details

DMS 404

Storage

- Pro Void Vent 25 is supplied in packaging designed to protect the product from damage during handling and storage and degradation as a result of UV exposure.
- Always store and transport in a secure position.

Packaging/Handling

- Pro Void Vent 25 should be kept in the supplied packaging until such time as it is required for installation.
- Roll weights can be between 50kg and 100kg and appropriate equipment should be used for unloading and handling.

Associated Products

- Mitigation Fan
- Radon Sump
- Vent Mat Tee Connectors
- Vent Bollards
- Pro M1
- Pro Titan VOC

Delta House, Merlin Way, North Weald, Epping, Essex, CM16 6HR
01992 523 523 | info@deltamembranes.com | www.deltamembranes.com

Pro Void Vent 25

Technical Data

Physical Properties		
Characteristics	Test Method	Pro Void Vent 25
Thickness	EN ISO 9863-1	27 mm

Mechanical Properties		
Characteristics	Test Method	Pro Void Vent 25
CBR Puncture Resistance	EN ISO 12236	1.4 (-0.14) kN
Tensile Strength (MD/CMD)	EN ISO 10319	20/15 (-2.0/-1.5) kN/m
Compressive Strength	EN ISO 25619-2	300 kPa

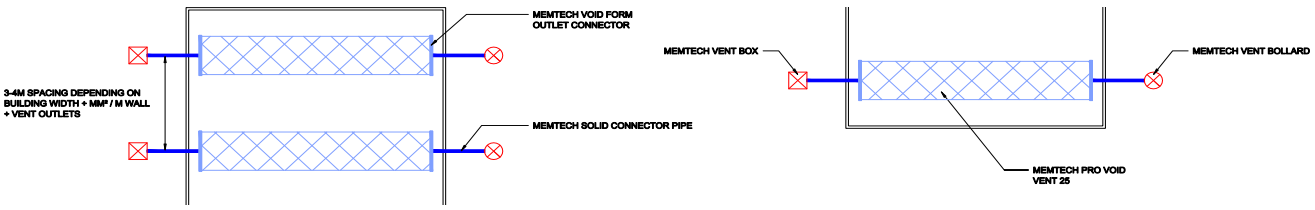
Hydraulic Properties		
Characteristics	Test Method	Pro Void Vent 25
Pore Size (O_{90}) [geotextile]	EN ISO 12956	80 (± 20) µm
Permeability (H_{50}) [geotextile]	EN ISO 11058	100 (-20) l/m²/s
Water Flow Capacity [Composite] (200 kPa, (i)=1)	EN ISO 12958	5 l/m/s
Gas Flow Capacity [Composite]	Calculated (a)	0.024 m³/s

Material Dimensions		
Characteristics	Test Method	Pro Void Vent 25
Roll Width	N/A	0.9 m
Roll Length	N/A	50 m
Gross Roll Weight	N/A	60 kg

Product Information	
Characteristics	Test Method
Polymer	High Density Polyethylene
Biological Resistance	HDPE does not support bacterial growth
Chemical Resistance	HDPE is highly resistant to acids and alkalis

(a) Gas flow calculated based on a discharge coefficient of 0.61 with a pressure difference of 10kPa and a standard air density of 1.29 kg/m

Technical Drawings - DGS-568-1



Installation

It is essential that ground gas protection systems are installed correctly, meeting all applicable building standards and regulations. Installation of ground gas protection systems should be carried out by technicians who hold a valid NVQ Qualification in ground gas installation. All ground gas protection systems should be verified by an independent verification company and not the membrane manufacturer, installer or client.

Other Information

All data and information contained in these Product/Technical Data Sheets is up-to-date and correct as at the date of issue. The information given is suggested as guidance and should only be used for evaluating your specific application. Delta Membrane Systems Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. The information contained in these Product/Technical Data Sheets should not be considered a warranty, expressed, or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose. In no event shall Delta Membrane Systems Limited be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory. When in doubt, contact Delta's Technical Team on 01992 523 523.