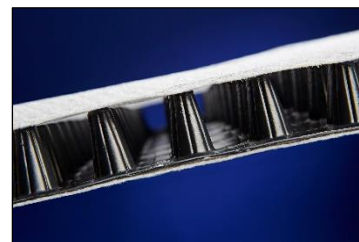


FCF25 Cuspate Geocomposite (Type 5 Fin Drain)

- 1. DESCRIPTION** 25mm HDPE cusped drainage board fully wrapped with a geotextile filter/separator.
- 2. APPLICATIONS** GEOfabrics' FCF25 geocomposite has been designed to provide a passive venting system for gasses and liquids. It is used extensively as a TYPE 5 fin drain in highway drainage.
- 3. FEATURES**
 - Optimised for maximum strength and performance
 - UV stabilised
 - High crush resistance
 - Excellent flow rate



Test	Unit	MEAN VALUES			
4. MECHANICAL PROPERTIES - Geocomposite					
Compressive strength	EN ISO 25619-2	kPa	300		
Tensile strength (MD/CMD)	EN ISO 10319	kN/m	20		
Static puncture (CBR)	EN ISO 12236	kN	3		
5. HYDRAULIC PROPERTIES - Geotextile					
Water permeability v_{H50}	EN ISO 11058	$l/(m^2 \cdot s)$	100		
Apparent opening size	EN ISO 12956	μm	80		
6. HYDRAULIC PROPERTIES - Geocomposite					
Gas flow capacity	Calculated ^(b)	m^3/s	0.024		
Water flow capacity in the plane (rigid/rigid)	EN ISO 12958	$l/(m \cdot s)$	(i=1)	(i=0.5)	(i=0.1)
@ 20kPa			15.0	11.0	5.0
@ 100kPa			15.0	11.0	5.0
@ 200kPa			15.0	11.0	5.0
7. PHYSICAL PROPERTIES					
Thickness @ 2kPa	EN ISO 9863-1	mm	27		
Standard colour - Cuspate			Black		
Polymer - Cuspate			HDPE		
Polymer - Textile			PP		

Notes:

- a) Mean values indicate the arithmetic mean derived from the samples taken for any one test as defined in the standard – usually an overall mean of five samples. Mean values are subject to tolerances based on 95% confidence limits as published on the product CE declaration of performance.
- b) Gas flow calculation based on a discharge coefficient of 0.61 with a pressure difference of 10Pa and a standard air density of 1.29kg/m³.

- 8. TESTING** All materials are tested every 6000m² in an UKAS accredited ISO 17025 laboratory to all mechanical properties prior to release.
- 9. STORAGE** The geocomposites are supplied in packaging designed to protect the product from damage during handling and storage and degradation as a result of UV exposure. The product should be kept in appropriate packaging until such time that it is required for installation. The product is clearly and indelibly marked with the product name along the edge of the roll at regular intervals no greater than 5m. The packaging is labelled clearly to identify the product supplied in accordance with EN ISO 10320: Geotextile and Geotextile related products – Identification on site. Use slings where provided. Product weights are given on roll tickets. Use equipment appropriate to weight and dimension. Store and handle in accordance with good occupational hygiene and safety practice.

Unit	VALUES				
10. DIMENSIONS					
Standard roll length	m	50			
Standard roll width	m	0.15	0.30	0.45	0.90
Approximate roll weight	Kg	20	40	60	80