

Specialist Geomembranes

Technical Data Sheet Landflex FC25



1. DESCRIPTION 25mm HDPE cusped drainage board with a geotextile filter/separator bonded to a single side.

2. APPLICATIONS Landflex FC25 geocomposite has been designed to provide a passive venting system for gasses and liquids.

- 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	18		
Static puncture (CBR)	EN ISO 12236	kN	2.2		
5. HYDRAULIC PROPERTIES - Geotextile Water					
permeability v_{H50}	EN ISO 11058	l/(m ² ·s)	100		
Apparent opening size	EN ISO 12956	µm	80		
6. HYDRAULIC PROPERTIES - Geocomposite Gas					
flow capacity	Calculated ^(b)	m ³ /s	0.07		
Water flow capacity in the plane (rigid/rigid) @ 20kPa	EN ISO 12958	l/(m·s)	(i=1)	(i=0.5)	(i=0.1)
@ 100kPa			15.0	11.0	5.0
@ 200kPa			15.0	11.0	5.0
7. PHYSICAL PROPERTIES Thickness @ 2kPa					
Standard colour - Cuspate Polymer - Cuspate Polymer - Textile	EN ISO 9863-1	mm	26		
			Black		
			HDPE		
			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	0.9
Approximate roll weight	Kg	75



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