

TECHNICAL DATASHEET

FC40 CUSPATED GEOCOMPOSITE

DESCRIPTION

40mm cuspated drainage board with geotextile filter/separator bonded to a single side designed to provide a passive void for gasses and liquids.

FEATURES

- Optimised for maximum strength and performance
- UV stabilised
- High crush resistance
- Excellent flow rate



MECHANICAL PROPERTIES	TEST METHOD	UNITS	MEAN VALUES
COMPRESSIVE STRENGTH - COMPOSITE		kPa	200
TENSILE STRENGTH - COMPOSITE	EN ISO 10319	kN/m	20/15
TENSILE STRENGTH - GEOTEXTILE (MD/CMD)	EN ISO 10319	kN/m	9.0
STATIC PUNCTURE - GEOTEXTILE	EN ISO 12236	kN	1.4
DYNAMIC PERFORATION - GEOTEXTILE	EN ISO 13433	mm	32
HYDRAULIC PROPERTIES			
GAS FLOW CAPACITY - COMPOSITE	CALCULATED ^(b)	0.033m ³ /s	0.033
WATER FLOW (GEOTEXTILE)	EN ISO 11058	l/s/m ²	100
COEFFICIENT OF PERMEABILITY	EN ISO 11058	l/m ²	2.0
CHARACTERISTIC OPENING SIZE	EN ISO 12956	µm	80
PHYSICAL PROPERTIES			
THICKNESS @ 2kPa	EN ISO 9863-1	mm	42
STANDARD COLOUR - CUSPATE			BLACK
POLYMER - CUSPATE			HDPE
STANDARD COLOUR - TEXTILE			WHITE
POLYMER - TEXTILE			PP

TESTING

All material is tested every 6000m² in an UKAS accredited ISO 17025 laboratory to all mechanical properties prior to release.

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 packaging is labelled clearly to identify the product supplied in accordance with EN ISO 10320: 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.

DIMENSIONS			
STANDARD ROLL LENGTH			25
STANDARD ROLL WIDTHS			0.97
APPROXIMATE ROLL WEIGHT			50

NOTES:

- 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.
 - 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
1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd.
 2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
 3. It is the responsibility of all users to satisfy themselves that the above data is current.
 4. The above figures are average values obtained from testing to current EN ISO standards.
 5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
 6. Installation details are available on request.

REGISTERED OFFICE ADDRESS

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