

TECHNICAL DATASHEET

TECHDRAIN FIN25

PRODUCT DESCRIPTION

Techdrain FIN25 is 25mm HDPE cusped drainage board fully wrapped with a PP geotextile filter/separator.

Techdrain FIN25 geocomposite ventformer has been designed to provide a passive venting system for gasses and liquids. Techdrain FIN25 is used extensively as a TYPE 5 fin drain in highway drainage.



MECHANICAL PROPERTIES	TEST METHOD	UNITS	TECHDRAIN FIN 25
CUSPATED DRAINAGE SHEET DATA			
POLYMER		HIGH DENSITY POLYETHYLENE	
BIOLOGICAL RESISTANCE		HDPE DOES NOT SUPPORT BACTERIAL GROWTH	
CHEMICAL RESISTANCE		HDPE IS HIGHLY RESISTANT TO ACIDS & ALKALIS	
CUSPATE HEIGHT	BS EN 9863:1	mm	25
COMPRESSIVE STRENGTH		kPa	300
NON WOVEN FILTER GEOTEXTILE DATA			
POLYMER		POLYPROPYLENE	
APPARENT PORE SIZE 90% FINER (0 ₉₀)	EN ISO 12956	µm	80
WATER FLOW	BS EN ISO 11058	l/s/m ²	100
GEOCOMPOSITE DATA			
STATIC PUNCTURE STRENGTH (CBR)	BS EN ISO 12236	kN	3
TENSILE STRENGTH (md)	BS EN ISO 10319	kN/m	20
TENSILE STRENGTH (cmd)	BS EN ISO 10319	kN/m	20
IN-PLANE FLOW CAPACITY USING HARD/SOFT PLATENS (i=1.0) @20kPa (i=1.0) @100kPa (i=1.0) @200kPa	EN ISO 12958	l/s/m width	7 6 5
GEOCOMPOSITE PHYSICAL PROPERTIES			
ROLL DIMENSIONS		m	0.9 x 50 0.45 x 50 0.30 x 50 0.15 x 50
APPROXIMATE ROLL DIAMETER		m	1.0
APPROXIMATE ROLL WEIGHT		kg	60/30/20/10

Techdrain are typical, with the exception of Thickness, which is Nominal. Typical indicates the mean value derived from the samples taken for any one test as defined in the BS EN ISO standard - usually the mean of five samples. Nominal is a guide value.

All of TCS's Drainage Composites products are tested in independently-audited ISO 17025 UKAS-accredited laboratories for all mechanical, hydraulic and performance related properties at a minimum of one set every 6000m²

Further values not listed on this data sheet are available on request from TCS Geotechnics.

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.

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