

SEL Sudstex Permafilter® Geotextile Specification

SEL Sudstex Permafilter® Geotextile Specification

The SEL Sudstex Permafilter® geotextile is a non woven, dimpled, needle punched geotextile that has been specifically designed for hydrocarbon pollution treatment in civil engineering applications (such as filtration, drainage and reinforcement). The dimpled geotextile consists of a proprietary blend of polyester fibres that incorporate oleophobic/hydrophilic (oil repellent / affinity for water) properties to achieve superior oil retention. The SEL Sudstex Permafilter® geotextile is capable of retaining oil contamination ranging from daily car drip losses up to catastrophic spillages, i.e. originating from car oil-sump failures. The entrapped hydrocarbons are biodegraded by naturally occurring micro-organisms providing a self-cleansing mechanism.

The following routine inspections and maintenance are required:

Element	Unit	Value
Physical Properties		
Weight per unit EN 965	g/m ²	300
Roll Width	m	2.4
Roll Length	m	100
Roll Weight	kg	72
Mechanical Properties		
Tensile strength EN ISO 10319 (md / cmd)	KN/m	9 / 12
Elongation at max. load EN ISO 10319 (md / cmd)	%	56 / 55
Static puncture (CBR-Test) EN ISO 12236	N	1575
Push-through displacement EN 918 (cone drop test)	mm	27
Characteristic opening size, O90 EN ISO 12956	µm	77
Hydraulic Properties		
Water permeability EN ISO 11058	l/m ² /s	57
Other Properties		
Air permeability ISO 9237	l/m ² /s	1000
Maximum oil retention	l/10m ²	6
Effluent discharge at maximum oil loading	ppm	less than 10
Material		
	Modified Polyester	

Disclaimer

This product specification is neither giving nor implying warranty for the use of this information for design and installation, as these are beyond our control. The data provided is typical and based upon the mean values obtained from the samples taken for any one test. If not otherwise indicated the test procedures reflect usually the mean of five samples. Permavoid Limited reserve the right to change the specifications without prior notice. Permafilter® is a trade mark registered by Permavoid Limited.



ALTHON LIMITED, Vulcan Road South, Norwich NR6 6AF
Telephone: 01603 488700 Fax: 01603 488598 Email: sales@althon.co.uk

www.althon.co.uk