

DATA SHEET

SKY GARDEN FILTER FLEECE FF01

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Sky Garden filter fleece is manufactured using UV stabilised polypropylene. Providing high tensile properties and improved durability. The increased drawing within the fibre manufacturing process re-orientates the molecules within the fibre making it considerably stronger. With the increased molecular orientation and associated higher density it increases mechanical properties and environmental resistance properties that are paramount for good engineering construction methods. It is to be covered within one month after installation. The geotextile is predicted to be durable for more than 25 years in soil temperatures $>25^{\circ}\text{C}$ and is resistant to highly acid and alkaline environments on the basis of a durability assessment.



SYSTEM CONSIDERATIONS

- Suitable for use on all green roof systems.
- Supplied in 1x10m or 1x113m rolls.
- Suitable for use on all drainage boards.

TECHNICAL PROPERTIES

Property	Test Standard	Units	Product Value
Tensile Strength (md)	(BS EN ISO 10319)	kN/m2	9.8
Tensile Elongation (md / cmd)	(BS EN ISO 10319)	%	65
Protector Efficiency (103)	(BS EN ISO 13719)	kN/m2	N/A
Static Puncture Strength	(BS EN ISO 12237)	N	1400
Push Through Displacement	(BS EN ISO 12236)	mm	N/A
Water Flow	(BS EN ISO 11058)	l/s/m2	100
Dynamic Perforation Test	(BS EN ISO 13433)	mm	N/A
Apparent Pore Size 90% (090)	(EN ISO 12956)		80
Coefficient Permeability	(BS EN ISO 11058)	m/s	N/A



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