

DATA SHEET

SKY GARDEN PROTECTION FLEECE PF01

Version 1.0

SKY GARDEN PROTECTION FLEECE

Sky Garden protection fleece is a thick needle punched non-woven geotextile manufactured from 100% virgin polypropylene high tenancy fibres containing 1% active carbon black. Manufactured from a unique blend of high tenancy fibres providing class leading durability. Optimised for maximum strength, performance and UV stability.

- For use on all green roof and podium systems.
- 100% virgin polypropylene.
- 3.5mm thick.
- Supplied in 50m x 1m rolls weighing 14kg.
- BS EN ISO9001



TECHNICAL PROPERTIES

Mechanical Properties	Test Standard	Units	Product Value
Static Puncture (CBR)	EN ISO 12236	kN	2.5
Push through displacement	EN ISO 12236	mm	65
Tensile Strength (MD/CMD)	EN ISO 10319	kN/m	15
Tensile Elongation (MD/CMD)	EN ISO 10319	%	80
Cone Drop	EN ISO 13433	mm	10

Filter Properties	Test Standard	Units	Product Value
Apparent opening size	EN ISO 12956	µm	150
Water Permeability	EN ISO 11058	(l/m ² ·s)	100
Coefficient of permeability	EN ISO 11058	(m/s 10 ⁻³)	7

Durability	Test Standard	Product Value
Weathering 50 MJ/m ² (1 month)	EN ISO 12224	>90% Retained Strength
Microbiological Resistance	EN ISO 12225	No Loss in Strength
Resistance to Acids & Alkalis	EN ISO 14030	No Loss in Strength
Oxidation at 112 days (110 years)	EN ISO 13438	>90% Retained Strength



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