



### Technical Data

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.

### Physical Properties

Composition:	100% virgin polypropylene, 1% active carbon black
Thickness @ 2kPa (EN ISO 9863-1)	3.5 mm
Colour:	Black
Unit supplied	Rolls
Unit Width (Lm):	1
Unit Length (Lm)	50
Roll Weight (Kg)	14

### System Considerations

- Use on all Green Roof Systems
- Functional in sedum and biodiverse systems
- Rolled out with 100 mm
- Chemical properties
- Resistant to root

### Specification Description

All products manufactured under BS EN ISO 9001

Product: PF01

Supplier: Sky Garden Ltd

### Technical Properties

Mechanical Properties	Value	Standard
Static Puncture (CBR) (kN)	2.5	EN ISO 12236
Push through displacement (mm)	65	EN ISO 12236
Tensile Strength (MD/CMD) (kN/m)	15	EN ISO 10319
Tensile Elongation (MD/CMD) (%)	80	EN ISO 10319
Cone Drop (mm)	10	EN ISO 13433
Filter Properties	Value	Standard
Apparent opening size (µm)	150	EN ISO 12956
Water Permeability (l/m <sup>2</sup> ·s)	100	EN ISO 11058
Coefficient of permeability (m/s 10 <sup>-3</sup> )	7	EN ISO 11058
Durability	Value	Standard
Weathering 50 MJ/m <sup>2</sup> (1 month)	>90% Retained Strength	EN ISO 12224
Microbiological Resistance	No Loss in Strength	EN ISO 12225
Resistance to Acids & Alkalis	No Loss in Strength	EN ISO 14030
Oxidation at 112 days (110 years)	>90% Retained Strength	EN ISO 13438



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