

SKY GARDEN PROTECTION FLEECE – PF01



SPECIFICATION DESCRIPTION

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 DATA

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 ² ·s)	100	EN ISO 11058
Coefficient of permeability (m/s 10 ⁻³)	7	EN ISO 11058
Durability	Value	Standard
Weathering 50 MJ/m ² (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