

Product Data Sheet
Sky Garden Filter Fleece
FF01



Technical Data:

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°C and is resistant to highly acid and alkaline environments on the basis of a durability assessment.



This product has been tested and conforms with BS EN ISO Standards

Physical Properties:

Composition:	High Tenacity virgin polypropylene staple fibre
Depth:	0.8mm @ 2kPa (BS EN ISO 9863;1)
Colour:	HDPE - Black, Geo-textile White
Unit supplied:	Rolled Sheet
Unit Width:	1.13m
Unit Length:	100m
Roll Weight:	14 kg

System Considerations:

Use on all Green Roofs System
Functional in Sedum and Biodiverse Systems
Rolled on roof with 100mm overlaps

Technical Properties:

Tensile Strength (md)	9.8 kN/m2 (BS EN ISO 10319)
Tensile Elongation (md / cmd)	65 % (BS EN ISO 10319)
Protector Efficiency (10 _s)	N/A kN/m2 (BS EN ISO 13719)
Static Puncture Strength	1400 N (BS EN ISO 12237)
Push Through Displacement	NA mm (BS EN ISO 12236)
Water Flow	100 l/s/m2 (BS EN ISO 11058)
Dynamic Perforation Test	NA mm (BS EN ISO 13433)
Apparent Pore Size 90% (O90)	80 EN ISO 12956
Coefficient Permeability	NA m/s (BS EN ISO 11058)

Chemical Properties:

Resistant to chemicals
Resistant to root penetration

Full Specification Description:

Values are Typical, with the exception of Thickness, which is Nominal. Typical indicates the mean value derived from the samples taken for any one test as defined in the BS EN ISO standard - usually the mean of five samples. Nominal is a guide value.

Product: FF01

Supplier: Sky Garden Ltd



01242 620905



Unit 4 Beta Orchard Industrial
Estate, Toddington,
Cheltenham, Glos. GL54 5EB



enquiries@sky-garden.co.uk