

PRODUCT DETAILS

Product name **Pro-Living® Bio-Solar Filter Fleece**

Product type Bio-Solar green roof component

PRODUCT DESCRIPTION

Pro-Living® Bio-Solar Filter Fleece is a strong, flexible, and permeable geotextile filtration membrane used on green roofs between the drainage and substrate layers for areas with increased loads. It provides filtration of particles from the substrate and acts as a separation between pebble strips and the substrate.

APPLICATION

Pro-Living® Bio-Solar Filter fleece is suitable for use on extensive and bio-diverse roofs with the following waterproofing membranes

- Cold Melt®
- Proteus Hot Melt®
- Pro-BW® Plus
- Pro-BW® LO
- Proteus Pro-Felt® Ultima Plus Anit-Root Capsheet

INSTALLATION

Pro-Living® Bio-Solar Filter Fleece should be installed above the **Pro-Living® Bio-Solar Drainage Board**.

Roll out the fleece close to the middle of a row of drainage boards and smooth out as much as possible.

Pierce a hole in the fabric where the **Pro-Living® Bio-Solar Mount** supports are and cut the same size as the support. Pull the fleece down over the support.

When rolling out and laying the **Pro-Living® Bio-Solar Filter Fleece** for the following row, make sure the edges overlap by at least **100 mm**. All areas of the **Pro-Living® Bio-Solar Drainage Board** should be covered completely with the filter fleece.

It is recommended to bond the overlap with a suitable adhesive or hand soldering iron. If using a hand soldering iron be careful not to damage the filter fleece.

TECHNICAL INFORMATION

Characteristic	Value	Unit	Standard
Mass per unit area	~150	g/m ²	-
Robustness class	GRC 3	-	-
Mechanical filter efficiency	0.06 ≤ gew. O ₉₀ ≤ 0.2	mm	EN ISO 12956
Maximum tensile strength longitudinal/lateral	10.5 / 10	kN/m	EN ISO 10319
Elongation longitudinal/lateral	75 / 65	%	EN ISO 10319
Puncture resistance	1700	N	EN ISO 12236
Vertical water permeability	90	l/(s · m ²)	EN ISO 11058

SIZE, FINISH AND COLOUR

Length m	Width m	Thickness mm	Weight kg	Colour
90	2	1.2	27	White

HANDLING

Always use relevant safe manual handling techniques relevant to a products size and weight.

MATERIAL

Continuous polypropylene filament.

PACKAGING

Rolls are packed **6** to a pallet **800 mm x 1200 mm**.

Delivery weight of pallet **185 kg**.

LIMITATIONS OF USE

For professional use only.

DISPOSAL

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Disposal of **Pro-Living® Bio-Solar Filter Fleece** should be done in a manner that is compliant with UK regulations and best practices. Dispose of contents/container to an approved waste disposal plant. This includes ensuring that the material is properly classified and described, that it is not mixed with hazardous waste, and that it is disposed of in a manner that is environmentally responsible. Packaging containing residues of the product must be disposed of similarly to the product.

GUARANTEES

Defects arising from lack of maintenance or abnormal use may fall outside of the cover of the Proteus Waterproofing guarantee.

MAINTENANCE

For information on maintaining our roofing systems please refer to our [Maintenance Guide](#).

GUIDELINES AND STANDARDS

It is the responsibility of the Contractor to thoroughly familiarise themselves with all relevant Codes of Practice and Building Regulations to the works or referred in the specification.

Proteus Waterproofing take no responsibility for misinterpretation or lack of knowledge for third parties.

The works shall be carried out in accordance with the requirements of:

- **BS 6229** Flat roofs with continuously supported flexible waterproof coverings - Code of practice
- **BS 8217** Reinforced bitumen membranes for roofing - Code of practice
- **BS 8000-0** Workmanship on construction sites - Introduction and general principles
- **BS 8000-4** Workmanship on building sites - Code of practice for waterproofing
- **LRWA** [Design Guide for Specifiers](#)
- **S2T** [Safe to Torch](#)
- **GRO** [Code of Best Practice](#)