GREEN ROOF

Technical Data Sheet
VLF-110 Filter Fleece

Product Description / Use:
MOY VLF-110 Filter Fleece is a non-woven geotextile made of UV stabilized polypropylene fibers, with a surface weight of 105 g/m² for filtering and separating purposes on extensive and semi-intensive green roofs. It is designed to filter sediments and fine particles out of water flowing into the drainage layer.

Benefits:
- Long lasting > resistant to both acids and alkalis
- High load capacity/high tensile strength > withstands heavy point loading
- Excellent permeability
- Simple installation > few tools needed, easy to cut

Application Areas:
MOY VLF-110 fabrics have many uses on vegetated roofs, but their main functions are filtering run off, mechanical protection, and separation of incompatible materials. MOY VLF-110 geotextiles provide excellent filtration performance without becoming clogged.

Technical Specification:

Technical Specification		
Properties	**Unit**	**Value**
Colour	-	Grey
Surface Weight	g/m²	105
Thickness	mm	0.8
Tensile strength MD	kN/m	8
Tensile strength CMD	kN/m	8
Elongation MD	%	90
Elongation CMD	%	75
CBR Puncture	N	1240
Cone drop test	mm	26
Characteristic opening size O_{90}	mm	0.13
Water permeability normal to the plane VI_{H50}	l/m²s	140

Installation:
MOY VLF-110 is loose laid over the drainage board and overlapped by 100mm. At green roof edges dress fleece up against the inner face of the metal trims. The fleece will then envelope the growing medium. At inspection chambers, install a skirting piece fitted tightly to the body of the inspection chamber, in order to prevent fine particles washing into roof drains. Must be covered within 1 month of installation.

Delivery form:
Rolls: 2m x 100m (200 m²/roll) / Weight: 26 kg.

Storage:
Stored in the original package, in vertical position and under cool and dry conditions between temperatures of +5 °C and +35 °C. They must be protected from direct sunlight, rain, snow and ice.