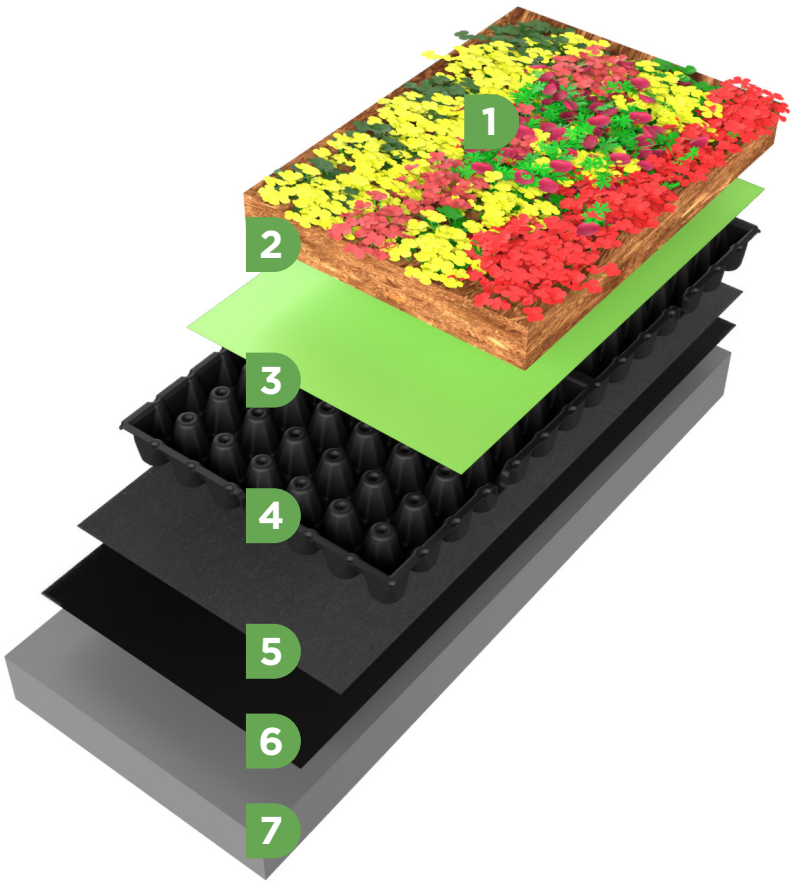
GREEN ROOF

Technical Data Sheet
MOY_Filtration Fleece 300g

Product Description / Use:
MOY Filtration Fleece 300g, needle-punched, heat-bonded geotextile.

Key Features:

- Resistant to chemical and biological damage
- Not impacted by UV radiation during installation
- Excellent vertical drainage capability, with effective fine-particle filtering of the substrate
- 80 year resistance in natural soils and 50 years for green roof substrates
- Manufactured from virgin (non-recycled) fibre, with CE certification
- Can be used as a separation layer between non-compatible layers, e.g. PVC and bitumen
- Meets requirements of the FLL green roofing guidelines (geotextile robustness classification above GRK2)



1. **MOY Vegetation**
2. **MOY Growing Media**
3. **MOY Filter layer**
   MOY Filtration Fleece 300g
4. **MOY Drainage layer**
   MOY 25mm Drainage & Reservoir Board
5. **MOY Protection layer**
   MOY Protection and water storage fleece 300g
6. **MOY Waterproofing System**
7. **Roof construction**

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Technical Specification:

Technical Data			
		Tolerance	Standard
Material	Polypropylene	-	-
Thickness (mm)	1,45	-0,29	EN ISO 9863-1
Roll length (m)	100	±2%	-
Roll width (m)	2	±0,03	-
Tensile strength (MD/CMD) (kN/m)	24	-2	EN ISO 10319
Elongation (MD/CMD) (%)	50 / 65	±20 / ±20	EN ISO 10319
Surface weight (g/m²)	330	-30	EN ISO 9864
Weather resistance	30 days	-	EN 12224
Characteristic opening size (µm)	60	±30	EN ISO 12956
Color	white	-	-
Water permeability perpendicular to the level (m/s)	0,025	-0,008	EN ISO 11058
CBR (N)	3700	-200	EN ISO 12236
Cone fall test (mm)	15	+3	EN ISO 13433
Microbiological resistance (MD/CMD) (%)	100	-	EN ISO 12225

Application:
MOY Filtration Fleece 300g geotextiles are used as a separating layer or a filter layer for multi-layer green roof systems. As a filter layer it prevents fine particles of the substrate being washed out. The vertical water permeability allows it to drain the water through the green roof build-up. MOY Filtration Fleece 300 g/m² is loose laid over the drainage board and overlapped by 100mm – Roll size 2 x 100m. 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.

Delivery form:
Rolls

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.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.