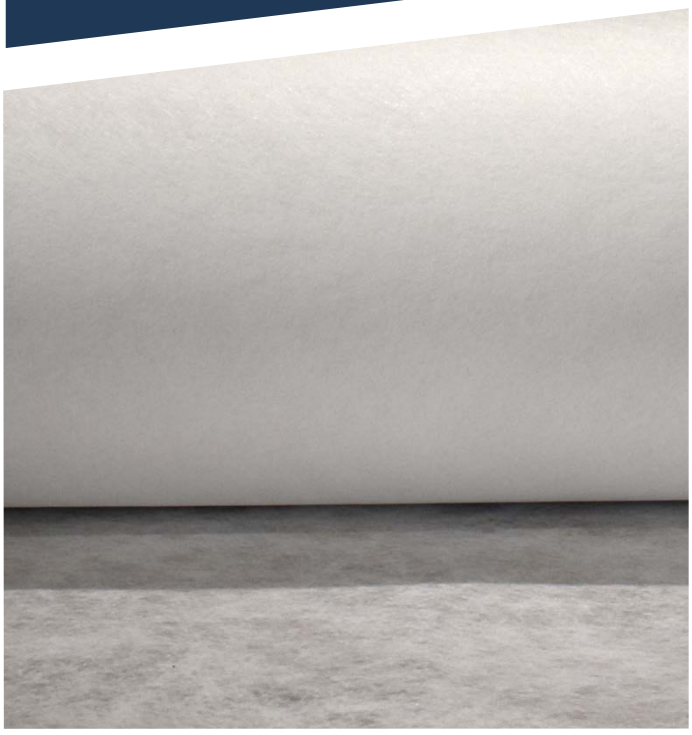
PermaSEAL PRO Green Roof Filter Layer 120



PermaSEAL® PRO Green Roof Filter Layer 120 is a high-performance polypropylene geotextile filter fabric used in a wide range of green roof and groundworks applications.

The filter fabric is tough and durable with a high puncture resistance, perfectly suited to green roof applications where the drainage and storage membrane needs protection from clogging up with substrate fines, while maintaining water flow and fast drainage.

PermaSEAL® PRO Green Roof Filter Layer 120 is also a reliable filtration layer around land drains in external waterproofing applications. Typically, the plastic land drain is embedded and surrounded by a layer of free draining stones, which in turn, are surrounded by a layer of the geotextile filter fabric.

HEALTH & SAFETY

Please use the product only in accordance with the information given in this data sheet. There is no legal requirement for a safety data sheet for this product.

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INSTALLATION

After the installation of the drainage membrane, the green roof filter layer is rolled out over the top. When installing the PermaSEAL® PRO Green Roof Filter Layer, all joints should overlap by a minimum of 150mm, and the filter layer should not be taken over the top of any drainage outlets. It's important to pour the subsequent growing medium along the seams of the filter fabric first. This keeps it taut and stops it from sinking into the drainage membrane.

The filter fabric can be turned up near the edges to create a barrier between the substrate and any pebble border. This will prevent the stones from clogging up with fines.

PERMASEAL® PRO GREEN ROOF FILTER LAYER 120	PRODUCT TECHNICAL DETAILS
Membrane	Polypropylene
Thickness	0.6 - 0.8 mm
Weight	120 g/m²
Colour	White
Roll length	100m
Roll width	1.5m
Tensile strength MD/CMD	10.0 / 10.0 kN/m
Elongation MD/CMD	50/60 %
Static puncture CBR Test	1.4 kN
Cone drop test	32 mm
Opening size	80 µm
Water permeability	77l / (m² *s)
Durability	Minimum 25 years (to be covered and backfilled within 14 days of installation – resistant in natural soils with 4 ≤ pH ≤ 9 and soil temperatures ≤ 25°C

FEATURES

- High tear resistance
- Tough and durable
- Conforms to GRO requirements for performance for a filter layer
- Recyclable
- UV light stable