

**GENERAL DESCRIPTION**

Systemfilter is a non-woven, needle punched, geotextile filter sheet, made of non-rotting, polypropylene fibers. It is made to be highly resistant to all natural acids and alkalis and is chemically neutral.

BASIC USE

Systemfilter is specifically designed to be used as a filter fabric over the Gardendrain™ elements in Hydrotech's Garden Roof® Assembly.

TECHNICAL DATA

SIZE:	12.5 ft X 120 ft (3.8 m X 36.6 m) - in rolls (1,368.5 ft ² effective coverage)		
WEIGHT: (ASTM D5261)	3.5 oz/yd ² (119 g/m ²)		
FLOW RATE: (ASTM D4491)	150 gal/min/ft ² (6,095 l/min/m ²)		
TENSILE STRENGTH: (ASTM D4632)	90 lb (401 N)	ELONGATION: (ASTM D4632)	50%
MULLEN BURST: (ASTM D3786)	185 lb/in ² (1,275 kPa)	PUNCTURE STRENGTH: (ASTM D4833)	60 lb (267 N)
TRAPEZOIDAL TEAR: (ASTM D4533)	40 lb (178 N)	APPARENT OPENING: (ASTM D4751)	50 (0.3 mm)

INSTALLATION

- Systemfilter is to be unrolled over the entire roof area completely covering the Gardendrain element, in both extensive and intensive landscape conditions. Systemfilter is not installed over GR30 or GR50 in higher slope conditions or when concrete is required for footings, etc.
- Adjacent rolls are to be lapped minimum of 12 inches, end and side laps.
- Enough fabric, or separate strips, needs to be left at terminations, flashing details, etc. so that it extends beyond the anticipated soil level. Excess can be trimmed down to the level of the soil once the soil is installed.