PRODUCT DATA SHEET

Hydrotech® Gardendrain® GR10

formerly known as Gardendrain® GR10

GENERAL DESCRIPTION

Gardendrain GR10 is a composite product made of recycled polypropylene core with a fleece top cover fabric and a non-woven bottom fabric. All three components are bonded together in a single component that is designed for aeration, retention and promoting upward moisture movement.



BASIC USE

Gardendrain GR10 is specifically designed to act as a drainage, aeration and water retention element in Hydrotech's Extensive Garden Roof® Assembly.

INSTALLATION

- Gardendrain GR10 is installed as indicated in Hydrotech's Garden Roof Installation Guidelines.
- Gardendrain GR10 must be installed white fleece side up.
- Gardendrain GR10 is a roll product with a 3'' wide selvage of extra top fleece along one edge and at the roll end. When installed, the selvage edge is lapped over the top surface of the adjacent GR10 roll.

TECHNICAL DATA

ROLL SIZE:	48'' wide x 50 ft. long (1.22 m x 15.24 m) (200 SF coverage per roll)
ROLL WEIGHT:	50 lbs. (22 kg)
THICKNESS:	Core alone: 0.40 inches (10.3 mm) With fabrics: 0.42 inches (approx.) (13.0 mm approx.)
FLOW RATE:	21 gal/minute/ft (261 l/min/m) (ASTM D-4716; hydraulic gradient = 1) 3 gal/min/ft (37 l/min/m) (ASTM D-4716; hydraulic gradient = 0.02)
WATER RETENTION:	Core alone: 0.023 gal/square foot - 0.937 l/square meter (9% [ASTM 2397]) With fabrics: 0.029 gal/square foot est. - 1.182 l/square meter (11% [ASTM 2397])
COMPRESSIVE STRENGTH:	15,000 psf (719 kNm^2) (ASTM D-1621)
COVER FABRIC WEIGHT:	100 grams / square meters (ASTM D3776)
COVER FABRIC GRAB TENSILE:	70 / 75 lbs (ASTM D5034)
COVER FABRIC GRAB ELONGATION:	40% (ASTM D5034)
COVER FABRIC GRAB PUNCTURE:	238 lbs (ASTM D6241)

BOTTOM FABRIC WEIGHT:	129 grams / square meter (ASTM D3776)
BOTTOM FABRIC GRAB TENSILE:	100 lbs (ASTM D5034)
BOTTOM FABRIC GRAB ELONGATION:	60% (ASTM D5034)
BOTTOM FABRIC CBR PUNCTURE:	250 lbs (ASTM D6241)

LEED® INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	50 (pre-consumer) core <5 (pre-consumer) fabric	
Manufacture Location		Madison, GA
Extraction/Harvesting Location		Madison, GA

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