

Hydrotech® Gardendrain® GR25

formerly known as Gardendrain® GR25



BUILDING TRUST



GENERAL DESCRIPTION

Gardendrain GR25 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 GR25 is specifically designed to act as a drainage, aeration, and water retention element in Hydrotech's Garden Roof® Assembly.



INSTALLATION

- Gardendrain GR25 is installed as indicated in Hydrotech's Garden Roof Installation Guidelines.
- Gardendrain GR25 must be installed white fleece side up.
- Gardendrain GR25 is a roll product with a 3-4" wide flap of extra top fleece along one edge and at the roll end. When installed, the flap edge is lapped over the top surface of the adjacent GR25 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:	88 lbs. (38 kg)
THICKNESS:	Core alone: 1.0 inches (25.4mm) With fabrics: 1.05 inches approx. (27.5 mm approx.)
FLOW RATE:	30 gal/minute/ft (372 l/min/m) (ASTM D-4716; hydraulic gradient = 1) 7.7 gal/min/ft (95 l/min/m) (ASTM D-4716; hydraulic gradient = 0.02)
WATER RETENTION:	Core alone: 0.050 gal/square foot - 2.02 l/square meter (8% [ASTM 2397]) With fabrics: 0.070 gal/square foot (est.) - 2.852 l/square meter (10.7% [ASTM 2397])
COMPRESSIVE STRENGTH:	9,500 psf (455 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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