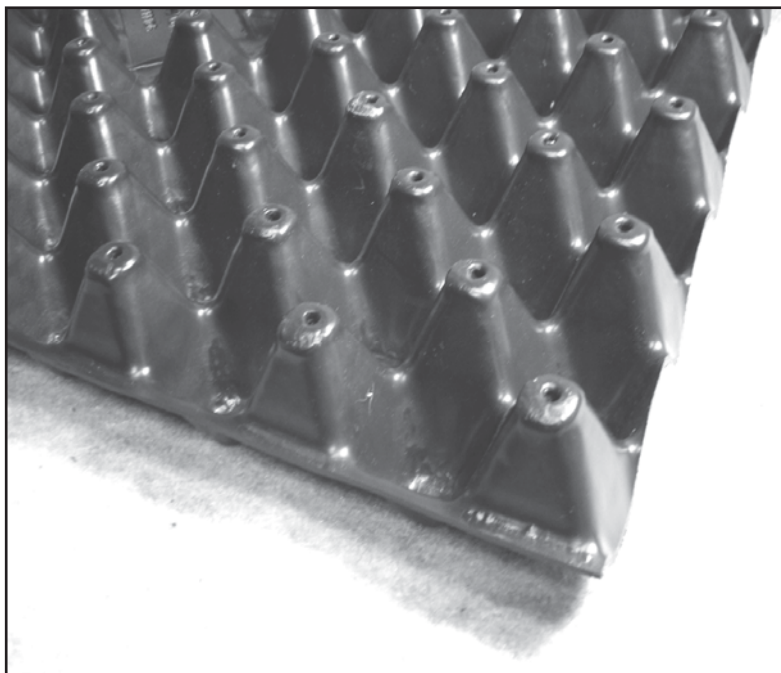




Field of Roof Only

GARDENDRAIN® GR50 PRODUCT DATA SHEET



GENERAL DESCRIPTION

Gardendrain GR50 is made of recycled polyethylene, molded into a three-dimensional panel. The unique design provides retention cups on the top side, drainage channels on top and bottom and holes in the tops of the "domes" for ventilation and evaporation.

BASIC USE

Gardendrain GR50 is specifically designed to act as a drainage and water retention element in Hydrotech's Garden Roof® Assembly. It is typically utilized under intensive landscaping.

TECHNICAL DATA

PANEL DIMENSIONS:	4 ft. X 6 ft. (1.2 m X 1.8 m)
PANEL HEIGHT:	2 in. (50 mm)
WEIGHT: w/cups empty	0.4 lb/ft ² (2.2 kg/m ²) – dry; 2 lb/ft ² (10.8 kg/m ²) - wet
w/cups filled*	4.3 lb/ft ² (21.7 kg/m ²) – dry; 6.3 lb/ft ² (31.8 kg/m ²) - wet
COMPRESSIVE	
STRENGTH: (ASTM D1621)	3,154 lb/ft ² w/cups empty; 7,000+ lb/ft ² w/cups filled
FLOW RATE: (ASTM D4716)	42 gal./min./ft. width (530 l./min./m.); h.g.= 1
WATER RETENTION:	≈0.19 gal/ft ² (7.9 l/m ²) or 0.31 inch/ft ² cups empty; ≈0.2 gal/ft ² (8.4 l/m ²) or 0.32 inch/ft ² cups filled
VOLUME TO FILL:	≈0.08 cu.ft. for every 1 sq. ft. in area (2.4 liters)

* cups filled = Gardendrain element filled with LiteTop expanded aggregate level with tops of element dimples

INSTALLATION

- GR50 is to be installed loose-laid over the entire surface of the roof where vegetation is specified.
- GR50 is easily cut to fit around penetrations, perimeters, drains, etc. with a heavy-duty utility knife or small- toothed saw.
- Adjacent panels are typically butted together.
- As substrate soil are typically heavier, the retention cups of GR50 are usually filled with lightweight expanded aggregate.



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0373

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 12/06/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Green Roof Materials Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		071413-008	1		12/06/2016	Green Roof Materials Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates