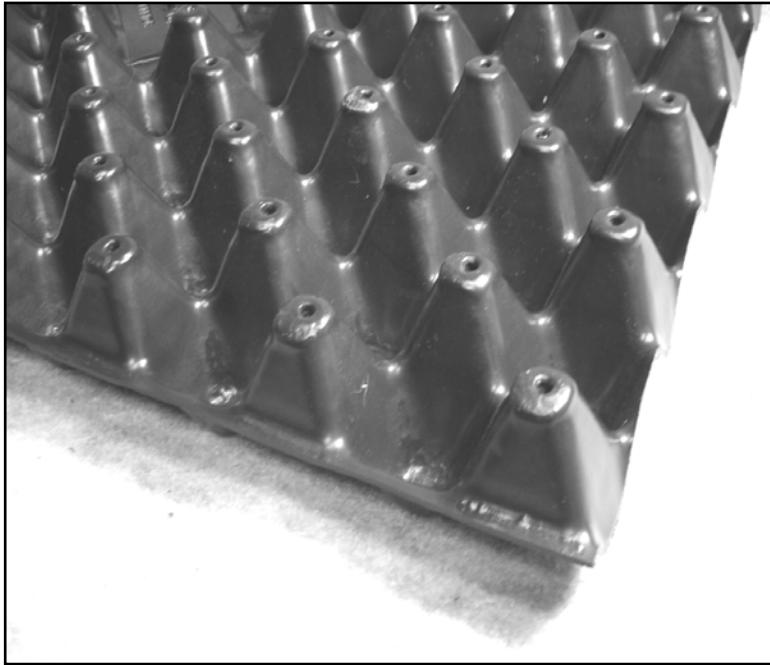




## GARDENDRAIN™ GR50 PRODUCT DATA SHEET



### 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 <sup>2</sup> (2.2 kg/m <sup>2</sup> ) – dry; 2 lb/ft <sup>2</sup> (10.8 kg/m <sup>2</sup> ) - wet
w/cups filled*	4.3 lb/ft <sup>2</sup> (21.7 kg/m <sup>2</sup> ) – dry; 6.3 lb/ft <sup>2</sup> (31.8 kg/m <sup>2</sup> ) - wet
COMPRESSIVE STRENGTH: (ASTM D1621)	3,154 lb/ft <sup>2</sup> w/cups empty; 7,000+ lb/ft <sup>2</sup> 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 <sup>2</sup> (7.9 l/m <sup>2</sup> ) or 0.31 inch/ft <sup>2</sup> cups empty; ≈0.2 gal/ft <sup>2</sup> (8.4 l/m <sup>2</sup> ) or 0.32 inch/ft <sup>2</sup> 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.