

# Gardendrain® GR50

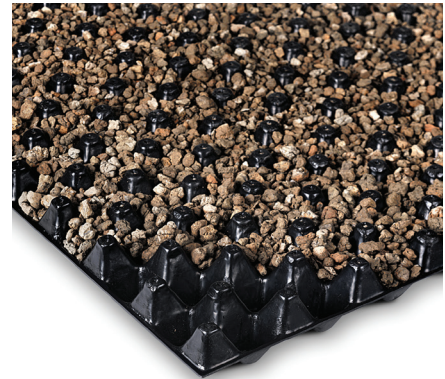


## GENERAL DESCRIPTION

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 aeration and upward moisture movement.

## BASIC USE

Gardendrain GR50 is specifically designed to act as a drainage, aeration and water retention element in Hydrotech’s Intensive Garden Roof® Assembly.



## INSTALLATION

- GR50 is installed as indicated in Hydrotech’s Garden Roof Installation Guidelines.
- The retention cups of GR50 are always filled with lightweight expanded aggregate.
- Volume to Fill: 3 CY per 1,000 sq.ft.

## 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:	≈0.184 gal/SF (7.50 l/square meter); cups empty ≈0.221 gal/SF (9.01 l/square meter); cups filled	

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

## LEED® INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	100 (pi)	
Manufacture Location		Goshen, IN
Extraction/Harvesting Location		Goshen, IN
VOC Content (g/L)		0

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