

Hydrotech® Gardendrain® GR30

formerly known as Gardendrain® GR30



BUILDING TRUST



GENERAL DESCRIPTION

Gardendrain GR30 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, promoting upward moisture movement.

BASIC USE

Gardendrain GR30 is specifically designed to act as a drainage, aeration and water retention element in Hydrotech's Garden Roof® Assembly. It is typically utilized within Hydrotech's extensive, lawn and intensive Garden Roof Assemblies.

INSTALLATION

- GR30 is installed as indicated in Hydrotech's Garden Roof Installation Guidelines.
- The retention cups of GR30 are filled with lightweight expanded.
- Volume to Fill: 2 CY per 1,000 sq.ft.



TECHNICAL DATA

PANEL DIMENSIONS:	4 ft. X 6 ft. (1.2 m X 1.8 m)	
PANEL HEIGHT:	1 1/4 in. (30 mm)	
WEIGHT:	w/cups empty	0.3 lb/ft ² (1.5 kg/m ²) – dry; 1.6 lb/ft ² (7.9 kg/m ²) - wet;
	w/cups filled*	2.4 lb/ft ² (12 kg/m ²) – dry; 3.8 lb/ft ² (19.2 kg/m ²) - wet
COMPRESSIVE STRENGTH: (ASTM D1621)	5,069 lb/ft ² (cups empty); 13,000+ lb/ft ² (cups filled)	
FLOW RATE: (ASTM D4716)	38 gal./min./ft. width (479 l./min./m.); h.g. = 1	
WATER RETENTION:	11.4% (ASTM 2397) 0.089 gal/sq.ft - (3.168 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 (pre-consumer)	
Manufacture Location	Goshen, IN	
Extraction/Harvesting Location	Goshen, IN	

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