

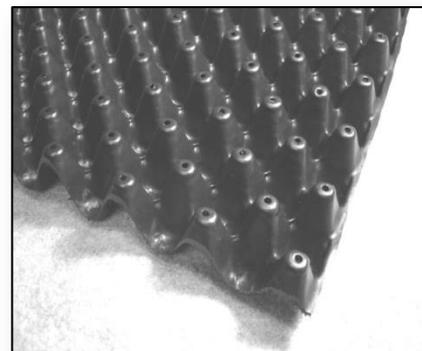
Gardendrain® GR30

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 ventilation and evaporation.

BASIC USE

Gardendrain® GR30 is specifically designed to act as a drainage and water retention element in Hydrotech’s Garden Roof® Assembly. It is only utilized under “extensive” and “semi-intensive” landscaping.



TECHNICAL DATA

PANEL DIMENSIONS	1.2 m x 1.8 m (4 ft X 6 ft)
PANEL HEIGHT	30 mm (1 ¼ in.)
WEIGHT: w/cups empty	1.5 kg/sq. m (0.3 lb/ sq.ft)-dry; 7.9 kg / sq. m (1.6 lb/ sq.ft)-wet
w/cups filled*	12 kg/ sq. m (2.4 lb/ sq.ft)-dry; 19.2 kg/ sq. m (3.8 lb/ sq.ft)-wet
COMPRESSIVE STRENGTH D-ASTM 1621	24.8 kg/ sq. m (cups empty); 63 471.6 Kg/ sq. m (cups filled) 5,069 Lb/sq.ft (cups empty); 13,000 Lb/ sq.ft (cups filled)
WATER RETENTION ASTM E 2398-11	volume of water retained on a slope of 2 degrees: > 0.35 cm ³ /cm ² volume of water retained on a slope of 5 degrees: > 0.25 cm ³ /cm ² volume of water retained on a slope of 10 degrees: > 0.25 cm ³ /cm ² volume of water retained on a slope of 14 degrees: > 0.20 cm ³ /cm ²
VOLUME TO FILL	1.2 l (≈0.04 cubic ft) for every 1 sq.ft in area
FLOW ASTM D-4716	479 l./min./m width (38 gal./min./ft width) h.g.=1

INSTALLATION

- Gardendrain® GR30 is to be installed loose-laid over the specified root barrier, insulation or Moisture Retention Mat over the entire surface of the roof.
- Gardendrain® GR30 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.
- The retention cups of Gardendrain® GR30 are typically filled with lightweight expanded aggregate under lawn and hardscape areas.

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	100	
Manufacture Location		Goshen, IN, U.S.A.
Extraction/Harvesting Location		Bloomington, IN, U.S.A.
VOC Content (g/L)		0

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