

Gardendrain® GR30



A SIKA COMPANY

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 typically filled with lightweight expanded aggregate under vegetated areas but can be left empty under extensive applications.
- Volume to Fill: 2 CY per 1,000 sq.ft.

TECHNICAL DATA

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|--|---|---|
| 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: | ≈0.073 gal/SF (2.99 l/square meter); cups empty | |
| | ≈0.089 gal/SF (3.63 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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