BUILDING TRUST

PRODUCT DATA SHEET

Hydrotech® Gardendrain GR30®

Drainage, aeration, and water retention element

PRODUCT DESCRIPTION

Hydrotech® 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.

USES

Hydrotech® 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.

CHARACTERISTICS / ADVANTAGES

- Provides drainage, aeration, and water retention.
- Promotes upward moisture movement.
- Easily cut to fit around penetrations, perimeters, and drains.

PRODUCT INFORMATION

Packaging	4 ft × 6 ft × 1¼ in. H (1.2 m × 1.8 m × 30 mm H) panel
Shelf Life	N/A
Storage Conditions	Store materials off-ground, in a dry place and protected from inclement weather
Weight	**Cups empty**: 0.3 lb/ft² (1.5 kg/m²), Dry; 1.6 lb/ft² (7.9 kg/m²), Wet **Cups filled***: 2.4 lb/ft² (12 kg/m²), Dry; 3.8 lb/ft² (19.2 kg/m²), Wet * cups filled = Gardendrain element filled with LiteTop® expanded aggregate level with tops of element dimples

TECHNICAL INFORMATION

Compressive Strength	**Cups empty**: 5,069 lb/ft² (24.8 kg/m²) **Cups filled***: 13,000 lb/ft² (63,471.6 kg/m²) * cups filled = Gardendrain element filled with LiteTop® expanded aggregate level with tops of element dimples	(ASTM D1621)
Flow Rate	38 US gal/min/ft width (479 L/min/m width)	(ASTM D4716) Hydraulic gradient = 1
Volume	**Volume to Fill** 2 cubic yard per 1,000 sq.ft.	
Water retention	11.4% 11.4% is equivalent to 0.089 US gal/ft² (3.63 L/m²)	(ASTM D2397)

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

AVAILABILITY/WARRANTY

AVAILABILITY

From Sika Corporation – Authorized Applicators for use within Hydrotech systems.

WARRANTY

Upon successful completion of the installed roof by the Sika Authorized Applicator in compliance with Sika requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

ENVIRONMENTAL, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

NOTES ON INSTALLATION

- Install in accordance with Hydrotech® Garden Roof® Installation Guidelines.
- Install loose-laid over the specified root barrier, insulation, or Moisture Retention Mat.
- Adjacent panels are typically butted together.
- Fill the retention cups with lightweight expanded aggregate under lawn and hardscape areas.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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