

Hydrodrain[®]700

DESCRIPTION

Hydrodrain[®]700 is a composite drainage system consisting of a three-dimensional, crush-proof drainage core and a woven filter fabric. The filter fabric is bonded to the top surface of the core, preventing intrusion of debris into the flow channels during backfilling. The fabric extends 100 mm (4 in.) beyond the core and is bonded on one side of the core.

BASIC USE

Hydrodrain[®] 700 is ideal for all locations that require a horizontal drainage system. Such as plaza assemblies installed under rigid insulation, the drainage panel allows the discharge of water, even in cold weather. The filter cloth is made of woven polypropylene and is hydrophobic, reducing the water pressure on the rigid insulation



ADVANTAGES

- Reduces hydrostatic pressure on below-grade structures.
- Enhances conventional waterproofing systems by transmitting water into a collection system before it reaches the substrate.
- Materials are resistant to all know naturally occurring earth salts and minerals.

TECHNICAL SPECIFICATIONS

Hydrodrain[®]700 drainage layer is available in roll form, 1.2 m (48 in.) wide by 15.25 m (50 ft) covering 18.6 sq m (200 sq ft) , or 1.98 m (78 in) wide by 15.25 m (50 ft) covering 30.2 sq m (325 sq ft). The geotextile fabric overlaps the drainage core 100 mm (4 in) on both sides.

TECHNICAL DATA

PROPERTY	TEST METHOD	GEOTEXTILE	DRAINAGE CORE
Thickness	ASTM D-1777	-----	10.16 mm (0.380 in)
Compressive strength	ASTM D-1621	-----	102,531 kg/sq m (21,000 lb/sq ft)
Flow Q @ 3,600 psf, Hydraulic gradient = 1	ASTM D-4716	-----	286 l/min/sq m(23 gal/min/sq ft)
Flow	ASTM D-4491	733 l/min/ sq m (18 gal./min/sq ft)	-----
Puncture	ASTM D-4833	0.53 kN (120 lb)	-----
Grab tensile	ASTM D-4632	MD 1.65 kN (370 lb) CD 1.11 kN (250 lb)	-----
Apparent size opening	ASTM D-4751	0.212 mm (sieve #70)	-----

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	40 post-industrial	
Manufacture Location	Alpharetta, GA, U.S.A. (4 ft wide) Mississauga, Ont. (6 ft. wide)	
Extraction/Harvesting Location	Alpharetta, GA, U.S.A.	
VOC Content (g/L)	0	

The contents and methods described herein are the intellectual property of Hydrotech Membrane Corp.. The information is based on data and knowledge considered to be true and correct at the time of publication and is offered for the user's consideration, investigation and verification. The information is subject to change without notice. The determination of suitability and fitness of the products and the application described herein for a particular purpose are the sole responsibility of the user. Please read all statements, recommendations and suggestions in conjunction with the conditions of sale which apply to all goods sold by Hydrotech Membrane Corp., including the express disclaimers by each company of the implied warranties of merchantability or fitness for a particular purpose.