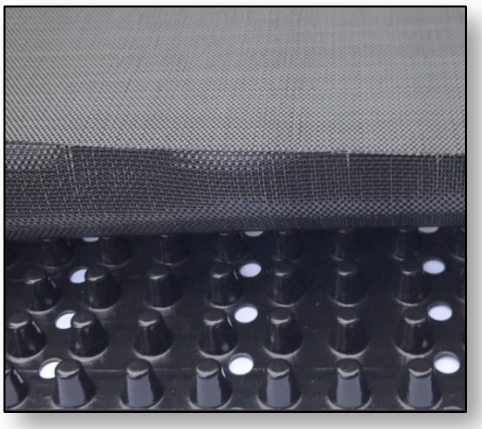
PRODUCT DATA SHEET

Hydrodrain®990

DESCRIPTION

Hydrodrain®990 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 the fabric into the flow channels during backfilling. The fabric is bonded to the upper surface of the panel and exceed by each side of 50 mm (2 ").



BASIC USE

The Hydrodrain®990 drainage layer is ideal for all locations that require a horizontal drainage system. It is usually in terrace assemblies that Hydrodrain® 990 is used. Installed under or over rigid insulation, the drainage panel allows the discharge of water, even in cold weather. The filter cloth made of woven polypropylene is hydrophobic, reducing the water pressure on the rigid insulating

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

The Hydrodrain®990 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) and weighs 23.6 kg (52 lb).. The fabric is bonded to the upper surface of the panel and exceed by each side of 50 mm (2 ").

TECHNICAL DATA

PROPERTY	TEST METHOD	GEOTEXTILE	DRAINAGE CORE
Thickness	ASTM D-1777	----------	10.16 mm (0.4 in)
Compressive strength	ASTM D-1621	----------	161,120.1kg/sq m (33,000 lb/sq ft)
Flow Q @ 3,600 psf, Hydraulic gradient = 1	ASTM D-4716	----------	298 l/min/ m(24 gal/min/ ft)
Flow	ASTM D-4491	2460 l/min/ sq m (60 gal./min/sq ft)	----------
Puncture	ASTM D-4833	3.78 kN (850 lb)	----------
Grab tensile	ASTM D-4632	1.65 kN (370 lb)	----------
Apparent size opening	ASTM D-4751	0.42 mm (US sieve #40)	----------

For applications between two concrete slabs. Drainage allows the insulation to dry between rain and therefore maintain the thermal resistance coefficient and specific weight. For more information about the different installation options, consult Hydrotech..

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LEED INFORMATION

	Credit 4	Credit 5	
Recycled Content (% by weight)	12.5 post-industrial		
Manufacture Location		Alpharetta, GA, U.S.A. (4 ft wide)	
Extraction/Harvesting Location		Alpharetta, GA, U.S.A.	
VOC Content (g/L)			0