

# Hydrotech® Hydrodrain® 1000

formerly known as Hydrodrain® 1000



BUILDING TRUST

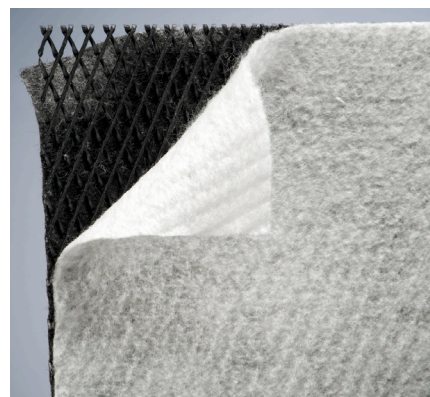


## GENERAL DESCRIPTION

Hydrodrain 1000 is a composite drainage system of a three-dimensional, crush-proof HPDE geonet drainage core and a white non-woven, needle punched filter fabric. The filter fabric is bonded to the ridges of the core, preventing intrusion of the fabric into the flow channels during backfilling. The fabric extends 4" beyond the core along one long and one short side of the roll, and is bonded on one side of the core. A protection sheet is bonded to the underside of the core.

## BASIC USE

The Hydrodrain drainage layer is ideal anywhere a subsurface drainage course is required. Typical applications include foundation walls, trench drains, planters, plaza decks and roof assemblies. Hydrodrain must be covered with subsequent overburden within 10-14 days of installation.



## ADVANTAGES

- Reduces hydrostatic pressure on below-grade structures.
- Enhances conventional waterproofing systems by transmitting water into a collection system before it reaches the wall substrate.
- Prevents intrusions of soil, concrete, or grout into the flow channels.
- Materials are resistant to all known naturally occurring earth salts and minerals.

## SIZES

The Hydrodrain drainage layer is available in roll form, 48 inches wide by 50 feet long. The geotextile overlaps the drainage core 4 inches on one side. Each roll covers 200 square feet and weighs 55 lb. Hydrodrain is 0.252 inches in thickness (ASTM D1777) with a compressive strength of 40,000 psf (ASTM D1621).

## TECHNICAL DATA

PROPERTY	TEST METHOD	CORE	FABRIC (front/white)	FABRIC (back/black)
FLOW "Q" @ 3600 psf; Hydraulic Gradient = 1	ASTM D4716	8.5 gal./min./ft. width	--	--
FLOW	ASTM D4491	--	140 gal. / min. / ft. <sup>2</sup>	110 gal. / min. / ft. <sup>2</sup>
PUNCTURE	ASTM D6241	--	250 lb.	450 lb.
U.V. RESISTANCE	ASTM D4355	--	70% @ 500 hours	70% @ 500 hours
GRAB TENSILE	ASTM D4632	--	100 lb. (MD & CD)	160 lb. (MD & CD)
APPARENT OPENING SIZE	ASTM D4751	--	70 mm U.S. Std. Sieve	80 mm U.S. Std. Sieve

The property values listed above are typical values and subject to change without notice.

**LEED® INFORMATION**

	Credit 4	Credit 5
Recycled Content (% by weight)	100 (pc)	
Manufacture Location		Apharetta, GA
Extraction/Harvesting Location		Apharetta, GA

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