

Hydrotech® Hydrodrain® 302

formerly known as Hydrodrain® 302

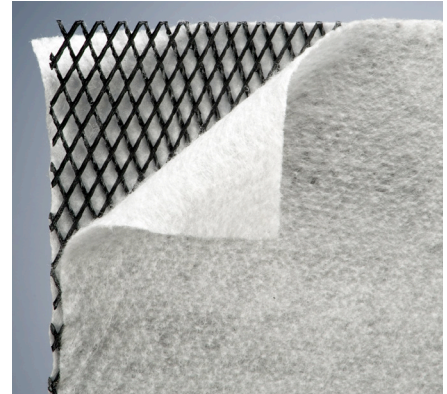


BUILDING TRUST



GENERAL DESCRIPTION

Hydrodrain 302 is a composite drainage system of a three-dimensional, crush-proof drainage HPDE geonet 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 short and one long side of the roll, and a layer is bonded on both sides 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.

PRODUCT INFORMATION

The Hydrodrain drainage layer is available in roll form, 48 inches wide by 75 feet long. The geotextile overlaps the drainage core 4 inches on one side. Each roll covers 300 square feet and weighs 80 lb. Hydrodrain is 0.25 inches in thickness (ASTM D1777) with a compressive strength of 40,000 psf (ASTM D1621).

TECHNICAL DATA

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

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

Note: Top and bottom fabric are the same.

LEED® INFORMATION

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

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