

Hydrotech® Hydrodrain® 300

formerly known as Hydrodrain® 300

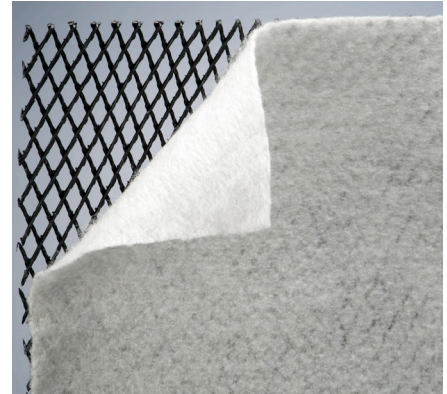


BUILDING TRUST



GENERAL DESCRIPTION

Hydrodrain® 300 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 long side and one short side of the roll, and is bonded on one side 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. Note: When Hydrodrain 300 is installed over the MM6125® membrane, Hydroflex 10 should not be used as the protection sheet. Hydroflex 30 or other approved options must be considered instead. Hydrodrain 300 provides drainage from one side only.

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.
- White filter fabric allows placement over Styrofoam™ insulation with reduced potential for heat build-up.

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 70 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
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.

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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