

Hydrotech® Hydrodrain® 420

formerly known as Hydrodrain® 420



BUILDING TRUST



GENERAL DESCRIPTION

Hydrodrain 420 is a composite drainage system of a three-dimensional drainage core and a non-woven, needle punched filter fabric. The filter fabric is bonded to the top surface of the core dimples, preventing intrusion of the fabric into the flow channels during backfilling. The fabric extends 4" beyond the core and is bonded on one side of the core. A polyethylene 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.

PRODUCT INFORMATION

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 40 lb. Hydrodrain is 0.4 inches in thickness (ASTM D1777) with a compressive strength of 15,000 psf (ASTM D1621).

TECHNICAL DATA

PROPERTY	TEST METHOD	CORE	FABRIC
FLOW "Q" @ 3600 psf; Hydraulic Gradient = 1	ASTM D4716	21 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

LEED® INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	50 (pc)	
Manufacture Location		Madison, GA
Extraction/Harvesting Location		Madison, GA

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