



GENERAL DESCRIPTION

Hydrodrain 1000 is a composite drainage system of a three-dimensional, crush-proof 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.

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 80 lb.

TECHNICAL SPECIFICATIONS

PROPERTY	TEST METHOD	GEOTEXTILE	DRAINAGE CORE
THICKNESS	ASTM D1777	--	0.252 in.
COMPRESSIVE STRENGTH	ASTM D1621	--	40,000psf
FLOW "Q" @ 3600 psf; Hydraulic Gradient = 1	ASTM D4716	--	8.5 gal. / min. / ft. width
FLOW	ASTM D4491	150 gal. / min. / ft. width	--
PUNCTURE	ASTM D4833	55 lb.	--
U.V. RESISTANCE	ASTM D4355	70% @ 150 hours	--
GRAB TENSILE	ASTM D4632	95 lb.	--
APPARENT OPENING SIZE	CW-02215	50 U.S. Std. Sieve	--

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

Note: As of June 1, 2010, all geonet-type Hydrodrains (300, 302, 1000, AL) will be produced with a white filter fabric bonded to the top side of the core.