

Hydrodrain[®] 400



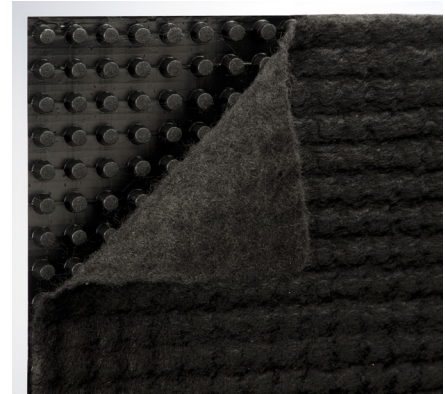
A SIKA COMPANY

GENERAL DESCRIPTION

Hydrodrain 400 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.

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 39 lb.

TECHNICAL DATA

| PROPERTY | TEST METHOD | GEOTEXTILE | RESULTS |
|--|-------------|------------------------------------|----------------------------|
| THICKNESS | ASTM D1777 | -- | 0.4 in. |
| COMPRESSIVE STRENGTH | ASTM D1621 | -- | 15,000 psf |
| 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 | | 70 mm U.S. Sieve | -- |

LEED® INFORMATION

| | Credit 4 | Credit 5 |
|--------------------------------|----------|---------------|
| Recycled Content (% by weight) | 50 (pc) | |
| Manufacture Location | | Apharetta, GA |
| Extraction/Harvesting Location | | Apharetta, GA |
| VOC Content (g/L) | | 0 |

This information is intended only for general conceptual purposes. It is based on data and knowledge considered to be true and correct. It is offered for the user's consideration, investigation and verification and is not intended to substitute for the advice provided by appropriate professionals. Hydrotech assumes no liability for the use of this information. The determination of the suitability and applicability of this information is the sole responsibility of the user.