



Hydrotech® Detention Layer

formerly known as Detention Layer

GENERAL DESCRIPTION

Detention Layer is a three-dimensional fabric designed to create detention within the Purple Roof Assembly. Its structure uses friction and turbulence to drain water at a precisely engineered rate.

BASIC USE

Detention Layer is used at the base of Hydrotech's Purple Roof assembly. It is always used with other Purple Roof components and must not be used with any other drainage layer.



INSTALLATION

- Refer to Hydrotech's Purple Roof Details for specific installation requirements.
- Detention Layer is installed over top on Styrofoam™ Brand Insulation.
- Keep product dry before installation.

TECHNICAL DATA

ROLL DIMENSIONS:	3.28 feet x 164 feet (538 square feet) (1 meter x 50 meters = 50 square meters/roll)
THICKNESS:	5 mm
MATERIAL:	Polyester
THREAD COUNT/DENSITY	1,800 threads per square inch
ROLL WEIGHT:	60 lbs. (approx.)
LOGISTICS:	Shipped 4 rolls per pallet

TRANSMISSIVITY

Complying with the specifications below, per ASTM D4716, for the detention layer tested in isolation.

Hydraulic Gradient m3/s/m (m2/s)	Minimum Transmissivity m3/s/m (m2/s)	Maximum Transmissivity m3/s/m (m2/s)
0.017	1.10E-03	1.40E-03
0.050	9.00E-04	1.20E-03
0.100	8.00E-04	9.95E-04
0.667	5.50E-04	7.00E-04
1.000	5.30E-04	6.50E-04

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	0	
Manufacture Location		Germany
Extraction/Harvesting Location		Germany

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.