BUILDING TRUST

PRODUCT DATA SHEET

Hydrotech® Hydroflex® RBII

Heavy-duty rubberized asphalt root barrier sheet for Garden Roof® assemblies

PRODUCT DESCRIPTION

Hydrotech® Hydroflex® RB II is a heavy-duty, polyester-reinforced rubberized asphalt sheet with a factory-applied root growth regulator and granule surfacing. It is designed to protect roofing membranes from mechanical damage and root penetration.

USES

- Designed to be embedded into Hydrotech® MM6125®-FR roofing membrane in Hydrotech Garden Roof® Assemblies.
- Provides protection to the roofing membrane from mechanical damage and root penetration.
- Exposure should be limited to 9 months, prolong exposure to UV and construction traffic may require an additional recoat of SpinOut. over the RBII

CHARACTERISTICS / ADVANTAGES

- Factory-applied root growth regulator
- Polyester reinforced
- Granule surfaced
- Protects roofing membranes from mechanical damage
- Protects against root penetration

PRODUCT INFORMATION

Chemical Base	Rubberized asphalt	
Packaging	39.4 in × 33 ft (1001 mm × 10.1 m), 96 lb (43.5 kg)	
Shelf Life	Up to 2 years, when properly stored.	
Storage Conditions	The product must be stored in original unopened and undamaged packaging in dry conditions. Store in a vertical position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.	
Top surface	Granule surfaced	
Thickness	160 mil (4.1 mm)	
Tensile Strength	80 lbf/in Peak load @ 73.4°F (23°C) [1]MD 60 lbf/in Peak load @ 73.4°F (23°C) [2]XMD 105 lbf/in Peak load @ 0°F (-18°C) [1]MD 85 lbf/in Peak load @ 0°F (-18°C) [2]XMD [1]MD= Machine Direction [2]XMD= Cross Machine Direction	(ASTM D5147)
Elongation	10% at Peak load @ 0°F (-18°C) [1]MD 10% at Peak load @ 0°F (-18°C) [2]XMD 40% at Peak load @ 73.4°F (23°C) [1]MD 45% at Peak load @ 73.4°F (23°C) [2]XMD [1]MD= Machine Direction [2]XMD= Cross Machine Direction	(ASTM D5147)
Dimensional Stability	<0.5% [1]MD <0.5% [2]XMD [1]MD = Machine Direction [2]XMD = Cross Machine Direction	(ASTM D5147)
Dimensional Change after Heat	**Compound Stability** Pass @ 230°F (110°C) [1]MD Pass @ 230°F (110°C) [2]XMD [1]MD = Machine Direction [2]XMD = Cross Machine Direction	(ASTM D5147)
Tear Strength	150 lbf @ 73.4°F (23°C) [1]MD 95 lbf @ 73.4°F (23°C) [2]XMD [1]MD= Machine Direction [2]XMD= Cross Machine Direction	(ASTM D5147)
Low Temperature Bend	Pass @ 32°F (0°C) [1]MD Pass @ 32°F (0°C) [2]XMD [1]MD= Machine Direction [2]XMD= Cross Machine Direction	(ASTM D5147)
Elongation at maximum tensile stress	40% @ 73.4°F (23°C) [1]MD 55% @ 73.4°F (23°C) [2]XMD [1]MD= Machine Direction [2]XMD= Cross Machine Direction	(ASTM D5147)
Coverage	100 sqft (9.3 m²), with 3" lap	

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

For installations involving bamboo vegetation, refer to the Hydrotech® Rootstop Bamboo Product Data Sheet.

USES

LIMITATIONS

AVAILABILITY
From Sika Corporation – Authorized Applicators for use within Hydrotech systems.

WARRANTY
Upon successful completion of the installed roof by the Sika Authorized Applicator in compliance with Sika requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

ENVIRONMENTAL, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

NOTES ON INSTALLATION

- Hydroflex RB II is to be rolled out and embedded into the MM6125-FR membrane while the membrane is still warm and aggressively tacky, to ensure good adhesion.
- Adjacent sheets must be lapped a minimum of 3 inches. All laps should be “wet lapped” with MM6125 or may be torch welded per standard APP modified bitumen torching techniques.
- All lap edges of Hydroflex RB II must be treated with SpinOut root growth regulator. Reference SpinOut Product Data Sheet for additional information & application instructions.
- Hydroflex RB II should be dressed up all roofing termination points and flashings to provide total root barrier protection to all roofed/flashed surfaces that will be subsequently covered with growing media. Flashing heights >12 inches may require mechanical termination or alternate securement.

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- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

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.**

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