BUILDING TRUST

PRODUCT DATA SHEET

Hydrotech® Root Stop Bamboo

Smooth, high quality polyethylene geo-membrane sheeting

PRODUCT DESCRIPTION

Hydrotech® Root Stop Bamboo is a smooth, high quality polyethylene geo-membrane sheeting produced from specially formulated virgin polyethylene resin.

USES

Root Stop Bamboo is designed to be used as a heavy-duty root barrier for Hydrotech® Monolithic Membrane 6125®-FR roofing membrane as part of Hydrotech® Garden Roof® assemblies. It is specifically designed for applications where bamboo is grown on rooftops, planters, or other areas where bamboo invasiveness must be controlled. Only clumping bamboo species should be planted in Garden Roof applications. Running bamboo species should not be used because of their aggressive root structures.

CHARACTERISTICS / ADVANTAGES

- Heavy-duty root barrier
- High quality polyethylene geo-membrane
- Produced from virgin polyethylene resin
- Designed to control bamboo root invasiveness

PRODUCT INFORMATION

Chemical Base	Virgin polyethylene resin
Packaging	Full roll: 5 ft × 100 ft (1.52 × 30.5 m), 160 lb (72.5 kg) Half roll: 5 ft × 50 ft (1.52 × 15.2 m), 80 lb (36.2 kg)
Shelf Life	No limit; when proper material handling and storage conditions are practiced.
Storage Conditions	Store in a clean, dry, well-ventilated location and protect from extreme weather.
Thickness	60 mil (1.5 mm)

TECHNICAL INFORMATION

Resistance to Dynamic Puncture	108 lb (480 N)	(ASTM D4833)
Tensile Strength	228 lb/in (40 N/mm), Tensile strength @ break MD[1] 126 lb/in (22 N/mm), Tensile strength @ break XMD[2] MD[1] = Machine direction, XMD[2]= Cross machine direction	(ASTM D6693, Type IV) (Dumbell, 2 ipm)
Elongation	700%, Elongation @ break 12%, Elongation @ yield	(ASTM D6693, Type IV G.L. 2.0 in [51 mm]) (ASTM D6693, Type IV G.L. 1.3 in [33 mm])
Tear Strength	42 lbf (187 N)	(ASTM D1004)
Artificial Ageing	**Oxidative induction time** >100 minutes	(ASTM D3895, 200i, O2, 1 atm)
Durability	**Notched constant tensile load** 300 hours	(ASTM D5397, Appendix)

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.

USES

Only “clumping” types of bamboo species should be planted in Garden Roof applications. “Running” bamboo species should never be used due to extremely aggressive root structures.

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

Root Stop Bamboo is installed vertically, with Root Stop

HD installed horizontally. Root Stop HD is to be loose laid over Hydroflex® 30 and extend up vertically 1 foot. Root Stop Bamboo is then installed vertically, lapping over Root Stop HD, with the lap edges taped with Root Stop Tape. While both Root Stop products are typically installed loose laid over Hydroflex 30, Root Stop Bamboo may be spot attached and mechanically terminated at the top.

LEGAL DISCLAIMER

- **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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