BUILDING TRUST

PRODUCT DATA SHEET

Hydrotech® Root Stop HD

High-density polyethylene (HDPE) root barrier membrane

PRODUCT DESCRIPTION

Hydrotech® Root Stop HD root barrier is a smooth, high quality high-density polyethylene (HDPE) geo-membrane produced from specially formulated, virgin polyethylene resin to provide a complete protection for Hydrotech waterproofing system.

USES

Hydrotech® Root Stop HD root barrier is designed to be used as a heavy-duty root barrier with MM 6125® roofing membrane as part of Hydrotech's Garden Roof® Assembly. Hydrotech® Root Stop HD is especially designed for use in extensive applications with perennials and woody plants, intensive applications with woody plants, tree wells, planters with woody plants, and foundation wall applications to control tree roots. Hydrotech® Root Stop HD is loose laid over Hydroflex®30, and overlapped 5 ft (1.5 m) or 2.5 ft (762 mm) with the lap edges taped with Root Stop Tape.

CHARACTERISTICS / ADVANTAGES

- Outstanding chemical resistance
- Dimensionally stable

APPROVALS / STANDARDS

It has been tested in accordance with ANSI / GRHC / SPRI VR-1 and ANSI-FM 4477 standard.

PRODUCT INFORMATION

Packaging	15 ft × 100 ft (4.57 m × 30.48 m) roll, 225 lb (96 kg)		
Color	Black		
Shelf Life	N/A		
Storage Conditions	Store off-ground, in a dry place and protected from inclement weather.		
Thickness	30 mils (0.75 mm)		(ASTM D5199)
Weight	0.15 lb/ft² (0.85 kg/m²)		(ASTM D1505)

TECHNICAL INFORMATION

Resistance to Dynamic Puncture	42 lb (186 N)		(ASTM D4833)
Resistance to Root Penetration	Pass		(ANSI/GRHC/SPRI VR-1)
Tensile Strength	**Strength at break**	114 lb/in-width (20 N/mm)	(ASTM D6693, Type IV Dumbbell, 2 ipm)
	Strength at yield	63 lb/in-width (11 N/mm)	
Elongation at Break	800 %		(G.L. 2.0 in (51 mm))
Dimensional Stability	±2%		(ASTM D1204)
Tear Strength	16 lb (71 N)		(ASTM D1004)
Resistance to Oxidation	**Standard Oxidation Induction Time (STD-OIT)**	100 min.	(ASTM D3895)
	High Pressure Oxidation Induction Time (HPOIT)	400 min.	(ASTM D5885)

APPLICATION INFORMATION

Coverage	950 sq ft (88.25 m²) with 5 ft (1.5 m) overlaps 1,218 sq ft (113 m²) with 2.5 ft (762 mm) overlaps.

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.

LIMITATIONS

This product is not appropriate for use alone with Bamboo or other plant materials with aggressive root structures.

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).

LEGAL DISCLAIMER

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

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Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com