BUILDING TRUST

PRODUCT DATA SHEET

Hydrotech® Root Stop

Root barrier as part of Hydrotech's Garden Roof® Assembly

PRODUCT DESCRIPTION

Hydrotech® Root Stop is a smooth, high quality high-density polyethylene (HDPE) sheet produced from specially formulated, virgin polyethylene resin.

USES

Hydrotech® Root Stop is designed to be used as a root barrier with Hydrotech® Monolithic Membrane 6125® as part of Hydrotech's Garden Roof® Assembly. Hydrotech® Root Stop 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

PRODUCT INFORMATION

Packaging	15 ft x 100 ft (4.57 m x 30.48 m) roll		
Shelf Life	N/A		
Storage Conditions	Store off-ground, in a dry place and protected from inclement weather		
Length	100 ft (30.48 m)		
Thickness	10 mils (0.25 mm)		(ASTM D5199)
Test Results	**PUNCTURE RESISTANCE**	4.85 lb (2.20 kg)	(ASTM D1709, Method B)
	PERMEANCE	0.0146 Perms (Grains/(ft2•hr•in•Hg)	(ASTM E154, Section 7 E96)
	PERMEANCE AFTER CONDIONING	0.0153 Perms (Grains/(ft2•hr•in•Hg)	(ASTM E154, Section 8 E96)
Tensile Strength	52 lb/in (230 N)		(ASTM E154, Section 9 (D882))
Water Vapor Transmission	0.0084 grain/hr·ft²		(ASTM E96 Procedure B)
Coverage	950 ft² (88.3 m²) with 5 ft (1.5 m) laps 1,218 ft² (113.2 m²) with 2.5 ft (762 mm) laps		

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

- Hydrotech® Root Stop is especially designed for use in extensive assemblies with herbaceous plants only (no woody plant varieties), lawn applications with no woody plants, and planters with herbaceous plants only.
- This product is not appropriate for use 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).

APPLICATION INSTRUCTIONS

Hydrotech® Root Stop is to be unrolled over a completed Hydrotech® monolithic membrane 6125® /Hydroflex® 30 roofing membrane assembly and unfolded minimizing wrinkles. Adjacent sheets must be overlapped a minimum of 5 ft (1.5 m) or 2.5 ft (762 mm) with the lap edges taped with Root Stop Tape to prevent lateral root growth to the membrane level. Hydrotech® Root Stop should cover all roofing termination points and flashing to provide total root protection to all roofed/flashed surfaces that will be subsequently covered with growing media. As Hydrotech® Root Stop is installed loose-laid, temporary ballasting may be required prior to the installation of subsequent topping materials.

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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