

Root Stop

GENERAL DESCRIPTION

Root Stop is a smooth, high quality high-density polyethylene (HDPE) sheet produced from specially formulated, virgin polyethylene resin. Root Stop has been subjected to testing in accordance with ANSI / GRHC / SPRI VR-1 and ANSI-FM 4477 standard.

BASIC USE

Root Stop is designed to be used as a root barrier with MM 6125[®] EV roofing membrane as part of Hydrotech's Garden Roof[®] Assembly. 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. Root Stop is loose laid over Hydroflex[®] 30, and overlapped 1.5 m (5 ft) or 762 mm (2.5 ft) with the lap edges taped with Root Stop Tape.

Note: This product is NOT appropriate for use with Bamboo or other plant materials with aggressive root structures. Please refer to Root Stop Bamboo Product Data Sheet for further information.



INSTALLATION

- Root Stop is to be unrolled over a completed MM6125[®]-EV /Hydroflex[®] 30 roofing membrane assembly and unfolded minimizing wrinkles.
- Adjacent sheets must be overlapped a minimum of 1.5 m (5 ft) or 762 mm (2.5 ft) with the lap edges taped with Root Stop Tape to prevent lateral root growth to the membrane level.
- 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 Root Stop is installed loose-laid, temporary ballasting may be required prior to the installation of subsequent topping materials.

ADVANTAGES

- Outstanding chemical resistance
- Dimensionally stable

TECHNICAL SPECIFICATIONS

Root Stop is available in rolls 4.57 m (15 ft) wide by 30.48 m (100 ft) long effective coverage of (88.25 sq m (950 sq ft) with 1.5 m (5 ft) laps and 113 sq m (1,218 sq ft) effective coverage with 762 mm (2.5 ft) laps).

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULTS
THICKNESS	ASTM D5199	0.25 mm (10 mils)
WEIGHT	ASTM D1505	0.24 kg/sq m (0.05 lb/sq ft)
TENSILE STRENGTH	ASTM E154 Section 9, (D882)	230 N (52 lb/in) (each direction)
PUNCTURE RESISTANCE	ASTM D1709, Method B	2.6 kg (5.7 lb)
ROOT PENETRATION	ANSI/GRHC/SPRI VR-1	Pass

LEED INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	0	
Manufacture Location		Sioux Falls, SD, U.S.A.
Extraction/Harvesting Location		Edmonton, AB
VOC Content (g/L)		

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