

Root Stop HD

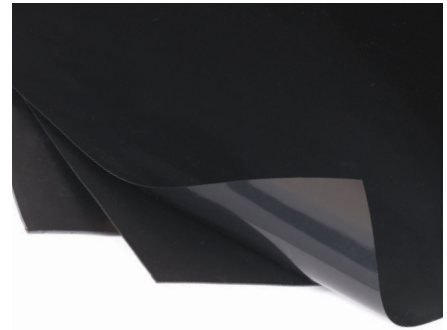


GENERAL DESCRIPTION

Root Stop HD is a 30 mil, smooth, high quality polyethylene geo-membrane sheeting produced from specially formulated, virgin polyethylene resin.

BASIC USE

Root Stop HD is designed to be used as a heavy-duty root barrier for the MM6125®-FR roofing membrane as part of Hydrotech's Garden Roof® Assembly. Root Stop HD is especially designed for use in applications with perennials, woody plants, tree wells, planters with woody plants, and foundation wall applications to control roots. Root Stop HD is loose laid over Hydroflex® 30, lapped 5 feet or 2.5 feet with the lap edges taped with Root Stop Tape.



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

SIZES

Root Stop is available in rolls 15 feet (4.57 m) wide by 100 feet (30.48 m) long for a full roll (950 sq.ft effective coverage with 5 foot laps and 1,218 sq.ft effective coverage with 2.5 foot laps).

TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
THICKNESS mils (mm)	ASTM D5199	30 (0.75)
WEIGHT lb/ft ² (kg/m ²)	ASTM D1505	0.17 (0.83)
TENSILE PROPERTIES (each direction)	ASTM D6693, Type IV Dumbell, 2 ipm	
STRENGTH @BREAK lb/in-width (N/mm)		114 (20)
STRENGTH @BREAK lb/in-width (N/mm)		63 (11)
ELONGATION @ BREAK %	G.L. 2.0 in (51 mm)	700
ELONGATION @ YIELD %	G.L. 1.3 in (33 mm)	12
TEAR RESISTANCE lb (N)	ASTM D1004	21 (93)
PUNCTURE RESISTANCE lb (N)	ASTM D4833	54 (240)
CARBON BLACK CONTENT %	ASTM D1603	2.0
CARBON BLACK DISPERSION	ASTM D5596	Note 1
NOTCHED CONSTANT TENSILE LOAD hrs.	ASTM D5397, Appendix	300
OXIDATIVE INDUCTION TIME min.	ASTM D3895, 200i, O ₂ , 1 atm	>100

NOTES:

1. Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be Category 1 or 2. No more than 1 view from Category 3
2. Root Stop membranes have dimensional stability of ±2% when tested with ASTM D 1204 and L TB of <-77i C when tested with ASTM D 746

LEED® INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	0	
Manufacture Location		Houston, TX
Extraction/Harvesting Location		Houston, TX
VOC Content (g/L)		0

This information is intended only for general conceptual purposes. It is based on data and knowledge considered to be true and correct. It is offered for the user's consideration, investigation and verification and is not intended to substitute for the advice provided by appropriate professionals. Hydrotech assumes no liability for the use of this information. The determination of the suitability and applicability of this information is the sole responsibility of the user.