

Root Stop Bamboo

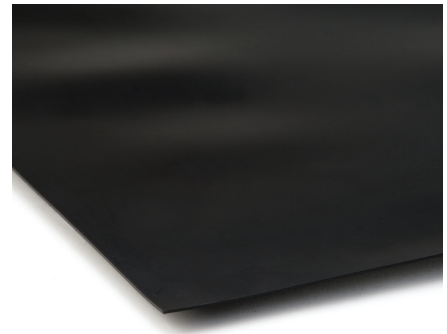


GENERAL DESCRIPTION

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

BASIC USE

Root Stop Bamboo 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 Bamboo is especially designed for use where bamboo is to be grown on roof tops, planters or any application where the goal is to control bamboo invasiveness.



Note: 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.

INSTALLATION

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.

SIZES

Root Stop Bamboo is available in rolls 5 feet (1.52 m) wide by 100 feet (36.3 m) long for a full roll and 50 feet (18.1 m) long for a half roll.

TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
THICKNESS mils (mm)	ASTM D5199	60 (1.5)
WEIGHT lb/ft ² (kg/m ²)	ASTM D1505	0.32 (1.56)
TENSILE PROPERTIES (each direction)	ASTM D6693, Type IV Dumbell, 2 ipm	
STRENGTH @BREAK lb/in-width (N/mm)		228 (40)
STRENGTH @BREAK lb/in-width (N/mm)		126 (22)
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	42 (187)
PUNCTURE RESISTANCE lb (N)	ASTM D4833	108 (480)
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

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