

SOPRANATURE®

ROOT BARRIER

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PRODUCT # W805

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

SOPRANATURE Root Barrier is designed to protect underlying roofing and waterproofing assemblies from root penetration. SOPRANATURE Root Barrier is composed of a virgin blended linear-low-density polyethylene. SOPRANATURE Root Barrier offers high puncture and tear resistance and provides UV protection. SOPRANATURE Root Barrier is offered in three thicknesses, 20 mil, 30 mil, and 40 mil. SOPRANATURE Seam Tape should be used at the joints to ensure a watertight assembly.

STORAGE & HANDLING

Store product in a clean dry location and cover as necessary to protect from environmental damage such as extreme cold, heat, moisture, or sunlight.

APPLICATION

Prior to installation, unroll SOPRANATURE Root Barrier, unfold and place into the designated position. Overlap with the adjacent sheet. For optimal performance, heat-welded all laps with at least a six-inch overlap. If heat-welding is not possible, overlap sheets approximately 2 feet and apply SOPRANATURE Seam Tape to the upper edge of the overlay.



QUICK FACTS

THICKNESSES (mil)	LENGTH (NOMINAL) (ft)	WIDTH (NOMINAL) (ft)
20, 30	50, 75 (15.2, 22.9 m)	10.0 (3.0 m)



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TECHNICAL INFORMATION & TESTING

PHYSICAL PROPERTIES			
PROPERTY	20 MILS	30 MILS	TEST METHOD
Tensile strength at break 1", lb	75	114	ASTM D6693
Elongation at break, %	800	800	ASTM D6693
Tear resistance, lbf	11	16	ASTM D1004
Hydrostatic resistance, psi	100	170	ASTM D751
Puncture resistance, lbf	30	45	ASTM D4833
Volatile loss, %	<1	<1	ASTM D1203
Dimensional Stability, %	<2	<2	ASTM D1204
Perm rating	0.041	0.031	ASTM E96