

Root Barrier

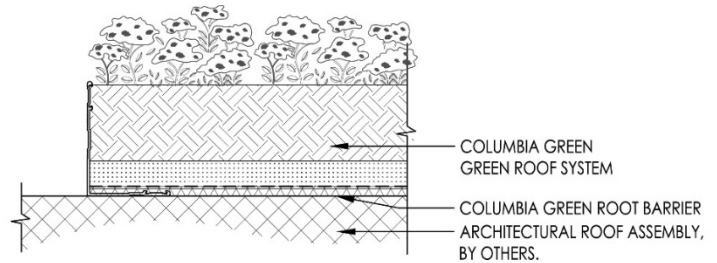
Product NUMBER: ML2109

Description:

The Columbia Green Root Barrier is a protective cover between the Columbia Green Layered System and the roof assembly. This layer is made from a 20-mil polymeric sheet, used as a barrier against root penetration in green roofs. This durable, non-biodegradable layer is Non-Toxic and does not contain herbicides or pesticides.

Installation

- Root Barrier is to be installed before roofing system is subject to vegetated roof assembly installation work.
- Sweep with broom and then use air compressor to blow remaining dust and debris from substrate before laying out Root Barrier.
- Unroll Columbia Green Root Barrier. Provide minimum 12" overlaps. Lay flat without wrinkles or folds. Consult manufacturer for recommended tape/sealant, if required. Sealant/tape may be unnecessary with extensive green roof systems.
- Under windy conditions, provide temporary ballast to avoid wind disturbance during installation.
- Remove all debris from Root Barrier surface prior to Layered System installation. Exercise care working over Root Barrier. Do not drag green roof system components into position.



Storage:

- Store components in a dry area away from sources of ignition and extremely high temperatures.
- Handle and store materials, and place equipment in a manner to avoid overloading roof structure or damaging roofing membrane.

Precautions:

- Avoid prolonged exposure to sunlight, heat, sparks and open flames.
- Wash exposed skin prior to eating, drinking or smoking and at the end of each shift.
- Use caution when cutting and laying product.

Technical Data:

Physical Property	Test Method	Value
Thickness	ASTM D-5119	20 mils
Weight		9.3 lbs/100sf approx.
Tensile Strength at break	ASTM D-6693	96 ppi
Elongation@ Break	ASTM D-6693	900%
Tear Resistance	ASTM D-1004	12 lbs
Puncture resistance	ASTM D-4833	40 lbs
Oxidation Induction Time	ASTM D-3895	100 min
Carbon Black	ASTM D-4218	2.4%
2% Secant Modulus	ASTM D-5323	30,000 psi (max)
Static Use Temperature		Max 180° degrees F, Min -70° Degrees F