

Urbanscape Root Membrane

December 2013

Description

Urbanscape Root Membrane* is a black LD Polyethylene regenerate which is used to prevent the roots penetrating in green roofs.

In accordance with FLL Guidelines for the Planning, Execution and Upkeep of Green-Roof Sites.



Installation

Urbanscape Root Membrane is installed below the drainage layer in green roofs.

- When waterproofing membrane is not resistant to root penetration, cover the roof with the Urbanscape Root Membrane.
- The root membrane covers the waterproofing membrane with at least 1.5 meter overlap on all sides. The root membrane needs to be fixed during installation.
- Cut out the material where drain baskets must be installed.
- Do not cut directly on the waterproof membrane. For safety reasons and protection of the membrane use a hook cutter. Do not use a sharp blade cutter or knife.

* FLW 500

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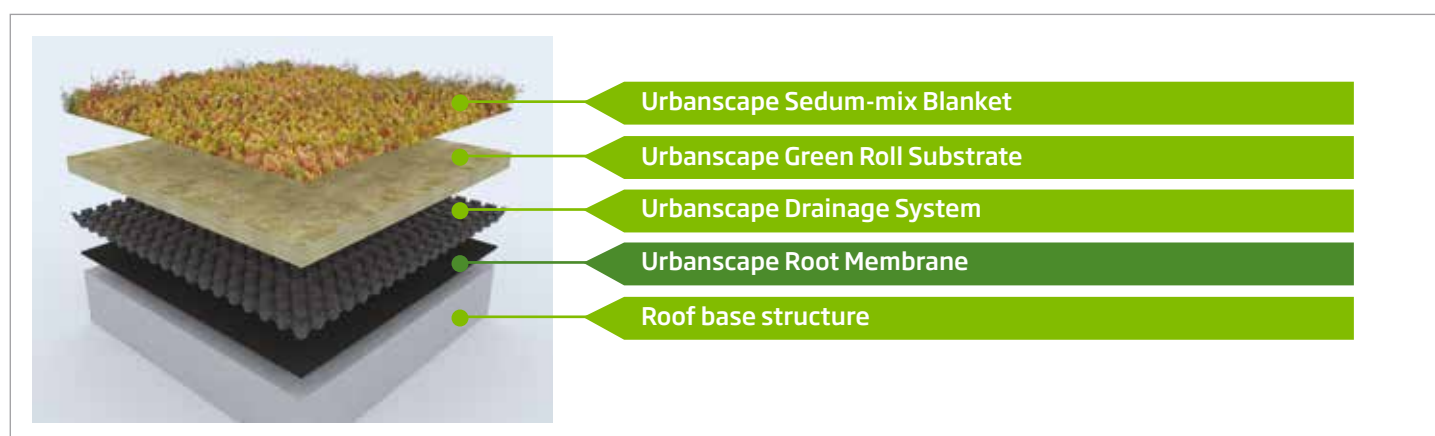
Above and beyond

Technical Properties of Urbanscape Root Membrane

Property	Unit	Value	Standard
Average thickness	mm	0.5 (+/-10%)	ISO 4591
Width	m	4 (+/-2%)	ISO 4592/2
Length	m	25 (+/-3%)	
Units	rolls/pallet	25	
Size	m ² /roll	100	
	m ² /pallet	2500	
Pallet size (LxWxH)	m	2x1.2x1.4	
Weight	kg/m ²	0.5	
Pallet weight	kg/pallet	1250	
Tensile strength - length direction	mPa	18.0-21.0	ISO1184
Tensile strength - transvers direction	mPa	17.0-20.0	ISO1184
Elongation - length direction	%	400-500	ISO1184
Elongation - transverse direction	%	500-600	ISO1184
Tear resistance - length direction	g/μ	2.5-4.0	ISO6383/2
Tear resistance - transverse direction	g/μ	4.0-7.0	ISO1183
Dart drop		Not measurable	ASTM D1709-98
Density	g/cm ³	0.93	ISO1183

Certificates: ISO 9001, ISO 9014

Urbanscape Green Roof System Benefits



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