

# GREEN ROOF SYSTEM



## Low Profile System

### Product Data

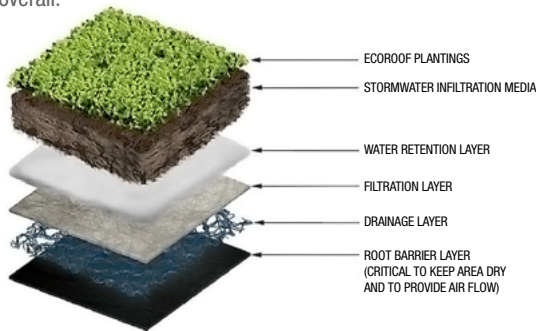
The FiberTite®/Green Low Profile Multilayer System is a cost effective multi-layered vegetative roof system consisting of a drainage layer, filter layer, and water retention layer. Able to fit nearly any design, this system can be used in conjunction with any roof layout since the layers can be easily cut to fit dimensional requirements on-site, including curves and various angles. These layers provide a viable foundation for the growing medium and plant materials.

#### DESCRIPTION

##### GENERAL

The multilayer system is designed to detain and retain rain and irrigation water, while preventing root rot by allowing airflow under and up through the multilayer system. This high level of air permittivity throughout the individual layers also aids in de-energizing air flow under the system thus reducing the chance of system uplift. The underlying waterproof membrane is protected with the use of a root barrier or sacrificial layer per the membrane manufacture's requirements.

When the multilayer system is not covered with growing media and plants, ballast rock may be used without the need of the water retention layer. The low profile multilayer system is intended to be used in extensive vegetative roof system profiles. Suggested growing media depths based on plant material selection typically range from a minimum of 3" to a maximum of 6" overall.



##### LAYERS

1. Water Retention Layer:
  - a. Description: Highly durable polyester blanket with anchorage points for promoting solid root structures
  - b. Installation: Do not overlap material. Install perpendicular to slope.
2. Filter layer
  - a. Description: Non-woven polypropylene
  - b. Installation: Overlap provided 3" seams. Pre-attached to the Drainage Layer
3. Drainage Layer
  - a. Description: Polypropylene woven into an entangled matrix
  - b. Installation: Do not overlap material. Install parallel to slope.

#### PHYSICAL PROPERTIES

System Depth	Dry Weight	Saturated Weight	Typical Field Weight
3" Media Depth	9 lbs./ft <sup>2</sup>	19 lbs./ft <sup>2</sup>	14 lbs./ft <sup>2</sup>
4" Media Depth	12 lbs./ft <sup>2</sup>	23 lbs./ft <sup>2</sup>	18 lbs./ft <sup>2</sup>
6" Media Depth	17 lbs./ft <sup>2</sup>	32 lbs./ft <sup>2</sup>	25 lbs./ft <sup>2</sup>

##### PACKAGING

##### /COMPONENT SIZE:

<b>0.5 Water Retention Layer</b>	
Thickness	0.50"
Dimension	8'W x 100'L
Coverage	800 ft <sup>2</sup>
Weight	6.3oz./yd <sup>2</sup> (.70oz./ft <sup>2</sup> )
Packaging	24"+ diameter roll
<b>Filter Layer: pre-attached to drainage</b>	
Weight	3oz./yd <sup>2</sup> (.33oz./ft <sup>2</sup> )
<b>0.5 Water Retention Layer</b>	
Thickness	0.40"
Dimension	48"W x 100'L
Coverage	400 ft <sup>2</sup>
Weight	17oz./yd <sup>2</sup> (1.88oz./ft <sup>2</sup> )
Packaging	24"+ diameter roll

##### LEED COMPLIANCE

Post-Consumer Recycled Content:  
 Drainage Layer 40%  
 Pre Consumer Recycled Content:  
 Water Retention Layer 100%

##### STORAGE

- Store components in a dry area.
  - Store away from sources of ignition and extremely high temperatures.
- ##### 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.



For more information on FiberTite Systems and accessories please call:  
 Seaman Corporation (800) 927-8578  
 International (330) 262-1111  
[www.fibertite.com](http://www.fibertite.com)

FiberTite® is a registered trademark of Seaman Corporation.

