

Specifications

Product Line:	 rooflite intensive base	
Product:	rooflite intensive base 600	
600 Weight Class:	60 - 70 lb/ft ³	

NOTE:

Because rooftop gardens are living systems, Skyland USA, LLC can only guarantee their products to meet the specified properties at the time of delivery. Therefore, any claim of potential non-compliance must be at this time. All warranty claims made subsequent to the delivery of the product will not be honored.

The details contained in these specifications correspond with Skyland USA's technical knowledge at the time of publication. Skyland USA, LLC reserves the right to update and adjust these performance specification values periodically, to modify the named properties of the product in accordance with new insight and best practices, due to the availability of local materials, or special product conditions related to plant selection, nutrients requirements, or environmental conditions.

rooflite® intensive base 600

Weight Class 60-70 lb/ft³*

A growing medium optimized for the deeper root zone below a top layer of rooflite® intensive. This growing medium provides better aeration and less organic matter than rooflite® intensive, and meets the requirements described in ASTM E2777-14 Standard Guide for Vegetative (Green) Roof Systems and detailed below. rooflite intensive base 600 is the 60 to 70 lb/ft³ fully saturated weight class of the rooflite intensive base product line*. rooflite® intensive base 600 is a precisely balanced blend of carefully selected lightweight mineral aggregates and premium organic components, like USCC STA approved compost complying with the following technical and performance requirements:

Particle Size Distribution (ASTM D422-63)

Proportion of particles < 0.05 mm	Mass %	≤ 15
Proportion of particles < 0.25 mm	#60 mesh	Mass %
Proportion of particles < 1.00 mm	#18 mesh	Mass %
Proportion of particles < 2.00 mm	#10 mesh	Mass %
Proportion of particles < 3.20 mm	1/8-inch mesh	Mass %
Proportion of particles < 6.30 mm	1/4-inch mesh	Mass %
Proportion of particles < 9.50 mm	3/8-inch mesh	Mass %
Proportion of particles < 12.50 mm	1/2-inch mesh	Mass %

Bulk Density Measurements (ASTM E2399)*

Bulk Density dry weight basis	lb/ft ³	25 - 45
Bulk Density at maximum water-holding capacity	lb/ft ³	60 - 70

Water/Air Measurements (ASTM E2399)

Total Pore Volume	Vol. %	≥ 50
Maximum water-holding capacity	Vol. %	25 – 50
Air-filled porosity at maximum water-holding capacity	Vol. %	≥ 7
Water permeability (saturated hydraulic conductivity)	in/min	0.024 - 2.83

pH and Salt Content

pH (in CaCl ₂)		6.0 - 8.5
Soluble salts (water, 1:10, m:v)	g (KCl)/L	< 3.5

Organic Measurements (LOI at 500°C SM 2540 G)

Organic matter content	g/L	10 - 40
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Nutrient Retention Capacity

Cation Exchange Capacity (CEC)	meq/100 g	≥ 6
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Supplier

Skyland USA, LLC - visit www.rooflitesoil.com or call 1.877.268.0017

**rooflite intensive base is a product line that is available in different saturated weight classes. These weight classes are designed to guide you in choosing the best option for your project based on your weight requirements. Each weight class is identified by a number that corresponds to the typical weight for fully saturated media based on ASTM E2399. Depending on your specific region, the following weight classes are available for rooflite intensive base:*

- intensive base 600: sat. weight 60-70 lb/ft³
- intensive base 700: sat. weight 70-80 lb/ft³
- intensive base 800: sat. weight 80-90 lb/ft³
- intensive base 900: sat. weight 90-100 lb/ft³

All Density Measurements reflect typical ranges for the respective rooflite products. For more detailed information please inquire about latest test results.

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