


## Specifications

Product Line:
 <p>rooflite drain</p>
Product:
rooflite drain 400
400 Weight Class:
40 - 50 lb/ft <sup>3</sup>

**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® drain 400

Weight Class\* 40-50 lb/ft<sup>3</sup>

A granular drainage medium for extensive, semi-intensive and intensive green roofs, as well as for planters and containers, designed to retain stormwater and to provide horizontal drainage, and which meets the requirements described in ASTM E2777-14 Standard Guide for Vegetative (Green) Roof Systems and detailed below. rooflite drain 400 is the 40 to 50 lb/ft<sup>3</sup> fully saturated weight class of the rooflite drain product line\*. rooflite® drain 400 consists of all lightweight mineral aggregate complying with the following technical and performance requirements:

#### Particle Size Distribution (ASTM D422-63)

Proportion of particles < 3.20 mm	1/8-inch mesh	Mass %	≤ 25
Proportion of particles < 6.30 mm	1/4-inch mesh	Mass %	≤ 75
Proportion of particles < 9.50 mm	3/8-inch mesh	Mass %	≥ 80
Proportion of particles < 12.50 mm	1/2-inch mesh	Mass %	100

#### Bulk Density Measurements (ASTM E2399)\*

Bulk Density dry weight basis	lb/ft <sup>3</sup>	20 - 40
Bulk Density at maximum water-holding capacity	lb/ft <sup>3</sup>	40 - 50

#### Water/Air Measurements (ASTM E2399, ASTM E2396)

Maximum water-holding capacity	Vol. %	≥ 10
Air-filled porosity at maximum water-holding capacity	Vol. %	≥ 20
Water permeability (saturated hydraulic conductivity)	in/min	≥ 100

#### pH and Salt Content

pH (in CaCl <sub>2</sub> )		6.0 - 8.5
Soluble salts (water, 1:10, m:v)	g (KCl)/L	< 2.5

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

Organic matter content	g/L	≤ 3.0
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#### Supplier

Skyland USA, LLC - visit [www.rooflitesoil.com](http://www.rooflitesoil.com) or call 1.877.268.0017

\*rooflite drain 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 drain:

- drain 400: saturated weight 40-50 lb/ft<sup>3</sup>
- drain 600: saturated weight 60-70 lb/ft<sup>3</sup>
- drain 500: saturated weight 50-60 lb/ft<sup>3</sup>
- drain 700: saturated weight 70-80 lb/ft<sup>3</sup>

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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