rooflite® drain Specifications

rooflite® drain

A granular drainage medium for extensive, semi-intensive and intensive green roofs. The material is all light weight mineral aggregate like HydRocks® or pumice complying with the following requirements:

Particle Size Distribution		
Proportion of silting components < 0.063 mm	Mass %	≤ 10
Density Measurements		
Bulk Density (dry weight basis)	g/cm^3	0.55 - 0.72
Bulk Density (dry weight basis)	lb/ft^3	35 - 45
Bulk Density (at max. water-holding capacity)	g/cm^3	0.70 – 0.95
Bulk Density (at max. water-holding capacity)	lb/ft^3	44 – 60
Water/Air Measurements		
Total Pore Volume	Vol. %	≥ 50
Maximum water-holding capacity	Vol. %	≥ 15
Water permeability (saturated hydraulic conductivity)	cm/sec	≥ 0.3
Water permeability (saturated hydraulic conductivity)	in/min	≥ 7.08
pH and Salt Content		
pH (in $CaCl_2$)		6.0 - 8.5
Soluble salts (water, 1:10, m:v)	g (KCl)/L	≤ 2.5

Supplier: Please find your regional supplier at www.rooflite.us or call 1.877.268.0017

All values are based on compacted materials according to laboratory standards and testing methods defined by the Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau e.V. (FLL) Landscape Development and Landscaping Research Society, Guidelines for the Planning Construction and Maintenance of Green-Roofing, Green Roofing Guideline, 2008

Skyland USA LLC, March 2011

Notes:

Density Measurements reflect a typical range for rooflite extensive mc. For more detailed information please refer to our region specific analysis or inquire about latest test results.

If Air-filled Porosity is measured instead of being determined according the FLL Green Roofing Guidelines reference value may be below 10.

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 performance specifications from time to time in accordance with new insight and to modify the named properties of the product.