Greenroof-Roofscapes®

rooflite® intensive

Between the World and The Weather Since 1928

DESCRIPTION

A planting medium for intensive vegetative (green) roof systems with a separate drain layer, designed to retain stormwater and to promote long lasting vigorous plant growth, and which meets the requirements described in ASTM E2777-14 Standard Guide for Vegetative (Green) Roof Systems and detailed below. rooflite intensive 600 is the 60 to 70 lb/ft³ fully saturated weight class of the rooflite intensive product line*. rooflite® intensive 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.

WEIGHT CLASSES

rooflite intensive 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:

WEIGHT	SYSTEM	SATURATED WEIGHT
	Intensive 500	50 - 60 lb/ft³
	Intensive 600	60 - 70 lb/ft³
	Intensive 700	70 - 80 lb/ft³
	Intensive 800	80 - 90 lb/ft³

TECHNICAL PROPERTIES	PROPERTIES	RESULTS
	Particle Size Distribution (ASTM D422-63)	
	Proportion of Particles < 0.05mm	≤ 20% (mass)
	Proportion of Particles < 0.25mm #60 mesh	15 - 40% (mass)
	Proportion of Particles < 1.00mm #18 mesh	25 - 60% (mass)
	Proportion of Particles < 2.00mm #10 mesh	40 - 80% (mass)
	Proportion of Particles < 3.20mm 1/8" mesh	50 - 90% (mass)
	Proportion of Particles < 6.30mm 1/4" mesh	75 - 100% (mass)
	Proportion of Particles < 9.50mm 3/8" mesh	90 - 100% (mass)
	Proportion of Particles < 12.50mm 1/2" mesh	100% (mass)
	Bulk Density Measurements (ASTM E2399)*	
	Bulk Density Dry Weight Basis	25 - 45 lb/ft³
	Bulk Density at Max. Water-Holding Capacity	60 - 70 lb/ft³
	Water/Air Measurements (ASTM E2399)	
	Total Pore Volume	≥ 50% (vol)
	Max. Water-Holding Capacity	45 - 65% (vol)
	Air-Filled Porosity at Max. Water-Holding Capacity	≥ 7% (vol)
	Water Permeability (saturated hydraulic conductivity)	0.0118 - 1.18 in/min
	pH and Salt Content	
	pH (in $CaCl_2$)	6.0 - 8.5
	Soluble Salts (water, 1:10 m:v)	< 2.5 g (KCl)/L
	Organic Measurements (LOI at 500°C; SM 2540 G)	
	Organic Matter Content	50 - 90 g/L
	Nutrient Retention Capacity	
	Cation Exchange Capacity (CEC)	≥ 6 meq/100 g

(800) 647-0100 info@barrettroofs.com barrettroofs.com