ParaGREEN™ Intensive Growing Media

Commercial Product Data Sheet

siplast®
With you every step of the way

Description:

A lightweight growing media for intensive vegetated roof assemblies composed of lightweight aggregates, fine aggregates, and premium organic components to help promote vigorous plant growth.

Contact Siplast for information on approved product uses.

Physical & Chemical Properties	
Particle Size Distribution (ASTM F1632 Method B)	
Clay Fraction (<0.002 mm)	<3%
Slit Fractions (0.075 – 0.002 mm)	<12%
Passing #200 Sieve (0.075 mm)	<15%
Passing #60 Sieve (0.25 mm)	10 – 35%
Passing #18 Sieve (1.0 mm)	20 – 55%
Passing #10 Sieve (2.0 mm)	30 – 65%
Passing 1/8 in. Sieve	50 – 85%
Passing 1/4 in. Sieve	70 – 100%
Passing 3/8 in. Sieve	90 – 100%
Density (ASTM E2399)	
Initial Media Density	50 – 75 lb./ft³
Bulk Density at Max. Water-Holding Capacity	80 – 90 lb./ft³
Water/Air Management (ASTM E2399)	
Total Pore Volume	>50%
Maximum Water-Holding Capacity	>40%
Air-Filled Porosity at Max. Water-Holding Capacity	>10%
Particle Size Distribution (ASTM F1632 Method B)	
Hydraulic Conductivity	>0.167 – 0.5
Miscellaneous	
pH (in $CaCl_2$, ASTM D4972)	6.0 – 8.5
Soluble Salts (water, 1:20, m:v)	<3.0
Organic Matter Content (LOI 550°C, FLL)	6 – 15%

Notes:

Vegetated Roofs are dynamic ecosystems. As a result, Siplast can only guarantee ParaGREEN™ Growing Media at the time of delivery.

Siplast reserves the right to update and adjust these performance specifications due to the availability of local materials, or special project conditions related to plant selection, nutrient requirements, or environmental conditions.