

ParaGREEN™

Extensive Growing Media

Commercial Product Data Sheet



With you every step of the way

Description:

A lightweight growing media for extensive 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) | <10% |
| Passing #200 Sieve (0.075 mm) | <12% |
| Passing #60 Sieve (0.25 mm) | 5 – 30% |
| Passing #18 Sieve (1.0 mm) | 10 – 50% |
| Passing #10 Sieve (2.0 mm) | 30 – 70% |
| Passing 1/8 in. Sieve | 40 – 80% |
| Passing 1/4 in. Sieve | 65 – 95% |
| Passing 3/8 in. Sieve | 90 – 100% |
| Density (ASTM E2399) | |
| Initial Media Density | 50 – 75 lb./ft ³ |
| Bulk Density at Max. Water-Holding Capacity | 70 – 90 lb./ft ³ |
| 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 – 1.0 |
| Miscellaneous | |
| pH (in CaCl ₂ , ASTM D4972) | 6.0 – 8.5 |
| Soluble Salts (water, 1:20, m:v) | <3.5 |
| Organic Matter Content (LOI 550°C, FLL) | 3 – 10% |



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.