

# PARAGREEN™ AGRICULTURE GROWING MEDIA

## Commercial Product Data Sheet

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

Contact Siplast for information on approved product uses.

### 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.

### PHYSICAL & CHEMICAL PROPERTIES

#### Particle Size Distribution (ASTM F1632 Method B)

Clay Fraction (<0.002 mm)	<5%
Slit Fractions (0.075 – 0.002 mm)	<10%
Passing #200 Sieve (0.075 mm)	<15%
Passing #60 Sieve (0.25 mm)	15 – 40%
Passing #18 Sieve (1.0 mm)	25 – 60%
Passing #10 Sieve (2.0 mm)	40 – 85%
Passing 1/8-inch Sieve	50 – 95%
Passing 1/4-inch Sieve	80 – 100%
Passing 3/8-inch Sieve	90 – 100%

#### Density (ASTM E2399)

Initial Media Density	50 – 70 lbs/ft <sup>3</sup>
Bulk Density at Max. Water-Holding Capacity	70 – 90 lbs/ft <sup>3</sup>

#### Water/Air Management (ASTM E2399)

Total Pore Volume	>52%
Maximum Water-Holding Capacity	>45%
Air-Filled Porosity at Max. Water-Holding Capacity	>7%

#### Particle Size Distribution (ASTM F1632 Method B)

Hydraulic Conductivity	>0.1167 – 0.33
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#### Miscellaneous

pH (in CaCl <sub>2</sub> , ASTM D4972)	6.0 – 8.5
Soluble Salts (water, 1:20, m:v)	<2.5
Organic Matter Content (LOI 550°C, FLL)	8 – 15%

Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at [www.siplast.com](http://www.siplast.com)  
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