

# PARAGROW INTENSIVE



## Commercial Product Data Sheet

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### **Product Description**

Paragrow Intensive is a growing medium for intensive vegetated roofs in multi-course construction. The material is a mixture of mineral light weight aggregates and premium organic components complying with the following requirements:

#### **Particle Size Distribution**

Proportion of silting components ( $d < 0.063$ )	Mass %	$\leq 20$
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#### **Density Measurements**

Bulk Density (dry weight basis)	g/cm <sup>3</sup>	0.70 – 0.85
Bulk Density (dry weight basis)	lb/ft <sup>3</sup>	44 – 53
Bulk Density (at max. water-holding)	g/cm <sup>3</sup>	1.15 – 1.35
Bulk Density (at max. water-holding)	lb/ft <sup>3</sup>	72 – 85

#### **Water/Air Measurements**

Total Pore Volume	Vol. %	$\geq 65$
Maximum water-holding capacity	Vol. %	45 – 65
Air-filled porosity at max water-holding capacity	Vol. %	$\geq 10$
Water permeability (saturated hydraulic conductivity)	cm/sec	0.0005 – 0.05
Water permeability (saturated hydraulic conductivity)	in/min	0.0118 – 1.18

#### **pH and Salt Content**

pH (in CaCl <sub>2</sub> )		6.0 – 8.5
Soluble salts (water extract)	g/L	$< 2.5$
Soluble salts (gypsum extract)	g/L	$< 1.5$

#### **Organic Measurements**

Organic matter content	g/L	$\leq 90$
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#### **Nutrients**

Phosphorus, P <sub>2</sub> O <sub>5</sub> (CAL)	mg/L	$\leq 200$
Potassium, K <sub>2</sub> O (CAL)	mg/L	$\leq 700$
Magnesium, Mg (CaC12)	mg/L	$\leq 200$
Nitrate + Ammonium (CaC12)	mg/L	$\leq 80$

Paragrow is available in bulk or Super Sacks.

Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at [www.Siplast.com](http://www.Siplast.com).

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