

PARAGROW INTENSIVE



Commercial Product Data Sheet

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 %	≤ 20
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Density Measurements

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

Water/Air Measurements

Total Pore Volume	Vol. %	≥ 65
Maximum water-holding capacity	Vol. %	45 – 65
Air-filled porosity at max water-holding capacity	Vol. %	≥ 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 ₂)		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	≤ 90
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Nutrients

Phosphorus, P ₂ O ₅ (CAL)	mg/L	≤ 200
Potassium, K ₂ O (CAL)	mg/L	≤ 700
Magnesium, Mg (CaC12)	mg/L	≤ 200
Nitrate + Ammonium (CaC12)	mg/L	≤ 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.

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