

# Semi-Intensive Growth Media Typical Product Properties

## East Canada Region

Silting components < 0.05 mm	%	≤ 15
Bulk Density dry weight <sup>1</sup>	lb/ft <sup>3</sup>	45 -55
Bulk Density dry weight <sup>1</sup>	g/cm <sup>3</sup>	0.72 - 0.88
Bulk Density saturated <sup>1</sup>	lb/ft <sup>3</sup>	70 - 76
Bulk Density saturated <sup>1</sup>	g/cm <sup>3</sup>	1.12 - 1.22
Total Pore Volume	%	50 - 65
max. Water Holding Capacity	%	45 - 55
Air Filled Porosity FLL <sup>2</sup>	%	≥ 10
Water Permeability	inch/min	0.024 - 2.83
Water Permeability	cm/sec	0.001 - 0.12
pH Value		6.0 - 8.5
Salt Content	g(KCl)L	≤ 3.5
Organic Matter Content	g/L	45 - 65
Phosphorus <sup>3</sup>	mg/L	≤ 200
Potassium <sup>3</sup>	mg/L	≤ 700
Magnesium <sup>3</sup>	mg/L	≤ 200
Nitrate + Amonium <sup>3</sup>	mg/L	≤ 80

Properties meet all requirements as outlined in the FLL Guidelines for the Planning Construction and Maintenance of Green-Roofing, Green Roofing Guideline, Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau e.V. (FLL) Landscape Development and Landscaping Research Society, 2008

<sup>1</sup> Density values reflect typical ranges for orientation. Media components may differ and influence product density. If your project requires more specific information please contact Carlisle for more details and latest test results.

<sup>2</sup> If Air-filled Porosity is measured instead of determined according to the FLL Green Roofing Guidelines, related value may be below 10.

<sup>3</sup> Newly blended products may temporarily exceed upper limits. Plant available nutrients will usually reach target values soon after installation.

The details contained in these specifications correspond with Carlisle Construction Materials technical knowledge at the time of publication. Carlisle Construction Materials reserves the right to update and adjust performance specifications from time to time in accordance with new insight and to modify the named properties of the product.