

**NL630 Growing Medium Intensive** is a proprietary mixture of lightweight engineered growing medium especially formulated for intensive vegetated roof applications. This mix is rich in organic material derived from composted plant matter and balanced in mineral based material including porous aggregates. Water retention can be increased by mixing NL504 Needled Mineral Wool Cubes which is a highly absorbent growing media enhancement.



Properties			
<b>Density Measurements</b>		<b>FLL Requirements</b>	<b>Values</b>
Bulk Density (dry weight)	g/cm <sup>3</sup>	none	0.9-1.2
Bulk Density (at maximum water capacity)	g/cm <sup>3</sup>	none	1.4-1.6
<b>Water and Air Management</b>			
Total porosity	vol %	none	55-75
Maximum water capacity	vol %	≥45	45-65
Air content	vol %	>10	15-25
Water permeability (saturated hydraulic conductivity)	mm/min	0.3-30	0.3-30
<b>pH and Salt Content</b>			
pH (in CaCl <sub>2</sub> )		6.0-8.5	6.0-8.5
<b>Organic Substances</b>			
Organic matter content	g/L	≤90	65-75

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