

Boughton Extensive Green Roof Substrate



Product information

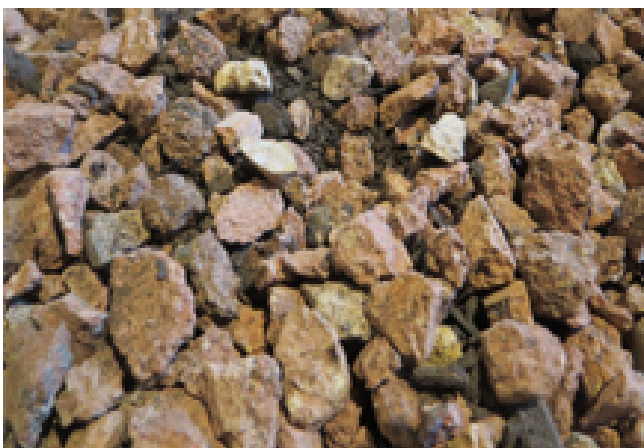
Boughton's Extensive green roof substrate mixture is extremely versatile and is able to support a wide variety of plants across a range of climates. It's relatively low bulk density allows it to be installed as an extensive option on most roofs. It is also a very environmentally friendly product, composed entirely of recycled material.

Application

Boughton Extensive substrate is designed for the planting of sedum schemes. It should be laid at a minimum depth of 80mm and directly onto a drainage board.

Standard

Boughton Extensive Green Roof Substrate meets and exceeds all present G.R.O guidelines.



Properties

Bulk density oven dried (g cm-3)	0.83
Bulk density at 10% VMC (g cm-3)	0.97
Bulk density at field capacity (g cm-3)	1.26
Field Capacity (% v/v)	37.6
Particle Density (g cm-3)	1.79
Total Porosity (%)	46.4
Porosity at Field Capacity (%)	31.3
Effective Porosity (%)	15.1
Saturated Hydraulic Conductivity (mm min-1)	48

Delivery info

Boughton EX1 Green Roof Substrate can be delivered in any required format. This includes 25ltr and IBC Bulk bags. Or loose tipped as required.



Boughton Extensive Mix engineering characteristics compared to FLL standards for Extensive greening

Substrate Density

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Water & Air

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Total Porosity (%)	46.4
Porosity at Field Capacity (%)	31.3
Effective Porosity (%)	15.1
Saturated Hydraulic Conductivity (mm min ⁻¹)	48

Chemical

Organic Matter (%)	2.8
pH	7.7
EC (mS cm ⁻¹)	-

Plant Available Nutrients

Nitrogen (mg l ⁻¹)	13.1
Phosphate (mg l ⁻¹)	>165
Potassium (mg l ⁻¹)	>241

Particle Size Distribution

Stones (>8 mm)	61.2
Coarse gravel (8-4 mm)	28.5
Fine gravel (4-2 mm)	1.2
Very coarse sand (2-1 mm)	0.5
Coarse sand (1.0-0.5 mm)	0.6
Medium sand (0.5-0.25 mm)	1.3
Fine sand (0.250-0.125 mm)	1.2
Very fine sand (0.125-0.050 mm)	0.7
Silt (0.050-0.002 mm)	2.7
Clay (<0.002 mm)	2.0

Boughton Loam Ltd