

Boughton Podium Green Roof Substrate 1



Product information

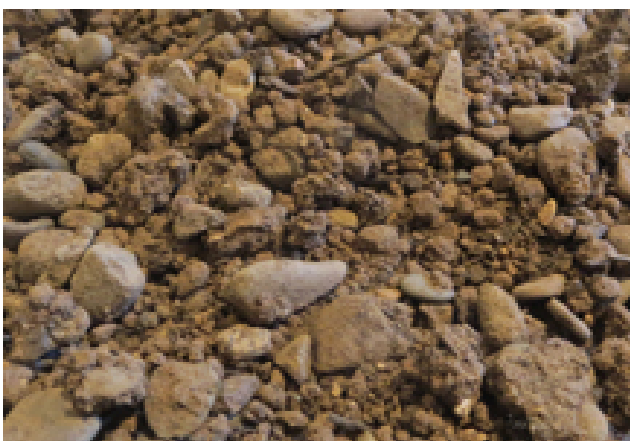
Boughton Podium 1 substrate has been designed for landscaping projects where weight loading is not an issue. Its high sand content provides a stable growing medium for a wide range of plants.

Application

Designed where the saturated weight is not an issue but good drainage rates are. Boughton Podium 1 Substrate should be laid at depths between 100 and 250 mm.

Standard

Boughton Podium 1 Green Roof Substrate meets and exceeds all present G.R.O guidelines.



Properties

Bulk density oven dried (g cm-3)	1.35
Bulk density at 10% VMC (g cm-3)	1.49
Bulk density at field capacity (g cm-3)	1.85
Field Capacity (% v/v)	45.2
Particle Density (g cm-3)	2.18
Total Porosity (%)	62.0
Porosity at Field Capacity (%)	61.1
Effective Porosity (%)	0.9
Saturated Hydraulic Conductivity (mm min-1)	45

Delivery info

Boughton Podium 1 Green Roof Substrate can be delivered in any required format. This includes 25ltr and IBC Bulk bags. Or loose tipped as required.



Boughton Podium 1 Mix engineering characteristics compared to FLL standards for Extensive greening

Substrate Density

Bulk Density when oven dried (g cm ⁻³)	1.35
Bulk Density at 10% VMC (g cm ⁻³)	1.49
Bulk Density at field capacity (g cm ⁻³)	1.85
Particle Density (g cm ⁻³)	2.18

Water & Air

Field Capacity (% v/v)	45.2
Total Porosity (%)	62.0
Porosity at Field Capacity (%)	61.1
Effective Porosity (%)	0.9
Saturated Hydraulic Conductivity (mm min ⁻¹)	45

Chemical

Organic Matter (%)	4.5
pH	7.9
EC (mS cm ⁻¹)	3.1

Plant Available Nutrients

Nitrogen (mg l ⁻¹)	4.5
Phosphate (mg l ⁻¹)	>165
Potassium (mg l ⁻¹)	>241

Particle Size Distribution

Stones (>8 mm)	13.3
Coarse gravel (8-4 mm)	23.0
Fine gravel (4-2 mm)	1.4
Very coarse sand (2-1 mm)	6.1
Coarse sand (1.0-0.5 mm)	16.8
Medium sand (0.5-0.25 mm)	26.0
Fine sand (0.250-0.125 mm)	10.3
Very fine sand (0.125-0.050 mm)	0.5
Silt (0.050-0.002 mm)	1.5
Clay (<0.002 mm)	1.1

Boughton Loam Ltd