

Boughton Podium 2 Green Roof Substrate



Product information

Boughton Podium 2 Turf substrate has been designed for landscaping projects where weight loading is not an issue. Its higher content of finer particles means that a wide range of plants can be grown in this mixture providing it is installed at an adequate depth. The substrate is ideal for turfing applications.

Application

Boughton Podium substrate with its higher sand content is designed for podiums that are to be grassed and traffic. The substrate should be laid at a depth of 100 to 150 mm long term irrigation is likely to be required.

Standard

Boughton Podium 2 Green Roof Substrate meets and exceeds all present G.R.O guidelines.



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Properties

Bulk density oven dried (g cm-3)	1.19
Bulk density at 10% VMC (g cm-3)	1.32
Bulk density at field capacity (g cm-3)	1.6
Field Capacity (% v/v)	37.3
Particle Density (g cm-3)	2.01
Total Porosity (%)	59.3
Porosity at Field Capacity (%)	44.5
Effective Porosity (%)	14.9
Saturated Hydraulic Conductivity (mm min-1)	43

Delivery info

Boughton Podium 2 Green Roof Substrate can be delivered in any required format. This includes 25ltr and IBC Bulk bags. Or loose tipped as required.



Boughton Podium 2 Mix engineering characteristics compared to FLL standards for Extensive greening

Substrate Density

Bulk Density when oven dried (g cm ⁻³)	1.19
Bulk Density at 10% VMC (g cm ⁻³)	1.32
Bulk Density at field capacity (g cm ⁻³)	1.60
Particle Density (g cm ⁻³)	2.01

Water & Air

Field Capacity (% v/v)	32.3
Total Porosity (%)	59.3
Porosity at Field Capacity (%)	44.5
Effective Porosity (%)	14.9
Saturated Hydraulic Conductivity (mm min ⁻¹)	43

Chemical

Organic Matter (%)	6.4
pH	7.6
EC (mS cm ⁻¹)	2.9

Plant Available Nutrients

Nitrogen (mg l ⁻¹)	4.4
Phosphate (mg l ⁻¹)	>165
Potassium (mg l ⁻¹)	>241

Particle Size Distribution

Stones (>8 mm)	12.4
Coarse gravel (8-4 mm)	19.2
Fine gravel (4-2 mm)	6.1
Very coarse sand (2-1 mm)	3.7
Coarse sand (1.0-0.5 mm)	4.3
Medium sand (0.5-0.25 mm)	17.0
Fine sand (0.250-0.125 mm)	12.9
Very fine sand (0.125-0.050 mm)	3.7
Silt (0.050-0.002 mm)	11.8
Clay (<0.002 mm)	8.8

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