

Technical Data

Grey2Green Extensive Substrate

A free draining, low nutrient and moisture retentive growing medium made from 100% recycled material in line with the UK Green Roof Code of best practice. Testing conforms within the BS8616:2019 green roof substrate testing methods and was completed by STRI.

Physical Properties

Bulk Density when oven dried	0.80 g cm ⁻³ (800 kg/m ³)
Bulk Density at field capacity	1.10 g cm ⁻³ (1100 kg/m ³)
Calculated Bulk Density at Saturation	1.36 g cm ⁻³ (1360 kg/m ³)
Field capacity (% v/v)	29.2 % v/v
Total porosity (%)	55.80%
Porosity at field capacity (%)	26.60%



System Considerations

- A free draining substrate suitable for use on Extensive Roof Systems and all plant finishes.
- Minimum recommended depth: 50 mm
- Free draining when saturated
- Allows root penetration
- Recycled content
- Organic material PAS100 certified.

Technical Properties

Organic matter (% weight)	2.60%
pH	7.8
EC (mS cm ⁻¹)	2.22 mS cm ⁻¹
phosphate (mg l ⁻¹)	127 mg l ⁻¹
Potassium (mg l ⁻¹)	435 mg l ⁻¹
Total nitrogen (%)	0.04%

Specification Description

All testing of Grey2Green Ltd Substrate was completed by Sports Turf Research Institute under the BS8616:2019 Specification for Performance Parameters and Test Methods for Green Roof Substrates. A specially blended mix of free draining organic material with clean and screened aggregates, recycled from certifiable waste products from the building industry to provide a low nutrient water retentive growing medium.