

Sky Garden Biodiverse Mix Substrate

BD01

Technical Data

Sky Garden Biodiverse Mix 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	0.87 g cm ⁻³ (870 kg/m ³)
Bulk Density at field capacity	1.17 g cm ⁻³ (1170 kg/m ³)
Calculated Bulk Density at Saturation	1.40 g cm ⁻³ (1400 kg/m ³)
Field capacity (% v/v)	30.6 % v/v
Total porosity (%)	53.50%
Porosity at field capacity (%)	23.00%

System Considerations

- A free draining substrate suitable for use on Intensive and Extensive Roof systems.
- Recommended substrate depth: 80-150 mm
- Free draining when saturated
- Allows root penetration
- Recycled brick/mineral.
- Green waste meeting strict PAS 100 standards.

Specification Description

All testing of Sky Garden 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 in the building industry to provide a low nutrient water retentive growing medium.



Technical Properties

Organic matter (% weight)	2.50%
pH	8
Electrical Conductivity (mS cm ⁻¹)	2.37 mS cm ⁻¹
phosphate (mg l ⁻¹)	228 mg l ⁻¹
Potassium (mg l ⁻¹)	675 mg l ⁻¹
Total nitrogen (%)	0.02%



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