

## Sky Garden Extensive Substrate

### SBS01

#### Technical Data

##### Sky Garden 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 <sup>-3</sup> (800 kg/m <sup>3</sup> )
Bulk Density at field capacity	1.10 g cm <sup>-3</sup> (1100 kg/m <sup>3</sup> )
Calculated Bulk Density at Saturation	1.36 g cm <sup>-3</sup> (1360 kg/m <sup>3</sup> )
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.

#### 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 from the building industry to provide a low nutrient water retentive growing medium.



#### Technical Properties

Organic matter (% weight)	2.60%
pH	7.8
EC (mS cm <sup>-1</sup> )	2.22 mS cm <sup>-1</sup>
phosphate (mg l <sup>-1</sup> )	127 mg l <sup>-1</sup>
Potassium (mg l <sup>-1</sup> )	435 mg l <sup>-1</sup>
Total nitrogen (%)	0.04%



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