

EXTENSIVE SUBSTRATE – SBS01



SPECIFICATION DESCRIPTION

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.

All testing of 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.

SYSTEM CONSIDERATIONS

- A free draining substrate suitable for use on extensive roof systems and all plant finishes.
- Free draining when saturated.
- Minimum recommended depth of 60mm.
- Less than 20% organic matter content as per GRO guidelines.

PHYSICAL PROPERTIES

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|---------------------------------------|--|
| 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% |

TECHNICAL PROPERTIES

| | |
|--|--------------------------|
| Organic matter (% weight) | 2.60% |
| pH | 7.8 |
| Electrical Conductivity (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% |