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ULTRALITE (BIODIVERSITY) SUBSTRATE - TECHNICAL DATA SHEET

DESCRIPTION: Low nutrient lightweight green roof substrate

APPLICATION: General purpose green roof growing media for biodiverse green roofs.

- Suitable for extensive biodiverse roofs attracting pollinators
- Ideal for maximizing species count of plants and invertebrates

TECHNICAL INFORMATION (TYPICAL)

Sieve Size (mm)	% Passing
13	95
5	53

pH value: 8.5

Total pore volume: 52 - 60%

Soil Organic Matter (SOM): 2.0%

Maximum water holding capacity 47.0% vol.



Photo Courtesy: Joanna Sheldon

Unit	Weight (kg)		
	Dry <small>Driest days in summer</small>	FLL Maximum water capacity	Fully Saturated <small>Design maximum</small>
m ³	810	1280	1410
1 sq m @ 100mm	81	128	141
1 sq m @ 25mm	20.3	32.0	35.3

PACKAGING

Supplied by bulk tipper load, in multi trip 1m³ big bags and 25kg sacks (40 per m³)

The above information is issued in good faith and without warranty and is intended as a guide only. The information comprises typical data and does not constitute a specification



The manufacturing process

This substrate is manufactured by combining a BS3882:2015 compliant loam topsoil made with PAS100 green waste compost blended with specially graded sustainable aggregates. In the case of this substrate it is lightweight expanded clay aggregate mixed with greensand aggregate and specially crushed aircrete sourced directly from the supplier of autoclaved blocks. Damaged or cracked blocks that cannot be supplied to house builders are set aside and crushed to our specification for use in green roof growing media.

BSI PAS 100 Green Waste Compost

Where the growing media incorporates compost it is derived from a sustainable source, normally green waste compost to PAS 100, derived from horticultural wastes collected during municipal works, e.g. hedge trimming, etc.



Bicycle Sheds at Minsmere RSPB reserve, by Green Roof Shelters Ltd