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**Green Roof Substrates Limited**

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## ULTRALITE (EXTENSIVE) SUBSTRATE - TECHNICAL DATA SHEET

**DESCRIPTION:** Medium nutrient lightweight green roof substrate

**APPLICATION:** General purpose green roof growing media for extensive greening.

- Substrate for sedum blanket and wild flower matting
- Suitable for extensive biodiverse roofs
- Can be used for planters

### TECHNICAL INFORMATION (TYPICAL)

Sieve Size (mm)	% Passing
13	96
5	70

pH value: 8.5

Total pore volume: 52 - 60%

Soil Organic Matter (SOM): 5.0%

Maximum water holding capacity 41% vol.



*Photo Courtesy: Habitat Aid*

Unit	Weight (kg)		
	Dry Driest days in summer	FLL Maximum water capacity	Fully Saturated Design maximum
m <sup>3</sup>	690	1100	1270
1 sq m @ 100mm	69	110	127
1 sq m @ 25mm	17.3	27.5	32.0

### PACKAGING

Supplied by bulk tipper load, in multi trip 1 m<sup>3</sup> big bags and 25kg sacks (30 per m<sup>3</sup>)

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 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.



*Photo Courtesy: Tim Wood, IKO PLC*