



## Shire Minerals (Southern)

Mineral Suppliers, Technical Consultants & Project Management  
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## TECHNICAL DATA SHEET

- PRODUCT NAME:** Shire Extensive substrate
- PRODUCT DESCRIPTION:** Lightweight substrate made from recycled brick, composted bark and medium clay soil.
- PRODUCT APPLICATION:** General purpose green roof growing media for extensive roofs
- Substrate for sedum mat
  - All types of extensive green roofs
  - Biodiversity roofs
  - Small domestic green roofs

### TECHNICAL INFORMATION (TYPICAL)

Size

Sieve Size (mm)	% Passing
13	96
5	40



pH value: 7-8

Organic content: 15% composted bark

Water content wet: 27%

Unit	Weight (kg)		
	dry	Wet	Fully Saturated
	Dryest days in summer	Normal in winter	Design maximum
m <sup>3</sup>	772	983	1445
1 sq m @ 100mm	77	98	145
1 sq m @ 25mm	19.3	24.6	36.1

### PACKAGING

Supplied tipper, in single trip 1 m<sup>3</sup> Big bags or 25kg sacks

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. Specification values are available separately upon request.



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### **The manufacturing process**

The manufacture of house bricks generates a significant percentage of bricks that do not meet the rigorous quality standards required for house building, for instance because of cracks or other damage and are scrapped. These cannot easily be reprocessed and they are set aside and crushed for use in other applications, e.g. as lightweight aggregates or for use as green roof growing media.

### **Green Compost**

Where the Growing Media incorporates Compost it is derived from a sustainable source, normally 'pine bark' Compost.



**Extensive Substrate used on with plug planted sedum**