



## Shire Minerals (Southern)

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

- PRODUCT NAME:** Shire Superlite substrate
- PRODUCT DESCRIPTION:** Especially Lightweight substrate made from recycled lightweight block, SERAMIS® clay granules and composted bark for maximum water holding.
- PRODUCT APPLICATION:** Green roof growing media for roof where load may be an issue.
- Intensive and extensive roofs, including roof gardens
  - Small domestic green roofs
  - For better water holding capacity to help through summer dry spells.
  - Stays green longer!

### TECHNICAL INFORMATION (TYPICAL)

#### Size

| Sieve Size (mm) | % Passing |
|-----------------|-----------|
| 15              | 98        |
| 5               | 40        |



pH value: 7-8

Organic content: 15% composted bark

Water content wet: 70%

| Unit           | Weight (kg)                  |                         |                                   |
|----------------|------------------------------|-------------------------|-----------------------------------|
|                | dry<br>Dryest days in summer | Wet<br>Normal in winter | Fully Saturated<br>Design maximum |
| m <sup>3</sup> | 640                          | 1085                    | 1333                              |
| 1 sq m @ 100mm | 64                           | 109                     | 133                               |
| 1 sq m @ 25mm  | 16                           | 27.3                    | 33.3                              |

### 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

Manufactures of lightweight blocks accept returned cellular blocks, saving it from landfill or other wasteful uses. These are crushed and used for sustainable applications such as this green roof mix which also contains Seramis, a special expanded clay, which helps impart very high water storage capacity.

### Green Compost

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



Shire Superlite substrate used as part of a vegetated roof garden in Bristol designed and built by sprout London & dmfk for The Office Group Ltd. picture by Nicole Gordon.