



# gt Sedum Cassettes

This ready-made green roof system is an all in one module. Each unit contains the complete package of substrate and established Sedum and drainage layer in a specially designed tray.

Separate supply of all the different materials needed to built up a green roof is unnecessary and the installation can be made without any specialist knowledge.

The shape of the module facilitates easy, fast and clean installation.

Ideal for flat or low gradients up to 20°.

GT Roof Edge - recommended for all roof edges without upstand or parapet.

For roofs over 20°, intermediate restraints should be considered at design stage.

## Unit Dimensions:

495mm (L) x 460 (W) x 80 (H)

## Coverage:

4.4 units = 1m<sup>2</sup>

## Dry weight of unit:

Approx 8kg

## Saturated weight of unit:

Approx 12kg



**Delivery:** Sedum plants can be fragile and some superficial damage may occur during transit. This is unavoidable and all care will be taken to keep this to a minimum. Immediately upon receiving delivery, the sedum cassettes **must** be unstacked and watered. The foliage **WILL** recover over time.

**Composition:** The unit comprises of four layers - Drainage, Filter, Substrate and Sedum.

**Drainage layer:** To aid capillary action rainwater percolates through a layer of crushed clay granules. Excess water that can not be buffered will drain slowly. To create an additional buffer for droughts, the unit is equipped to store about 1 cm of non-capillary water at the very bottom. Volume of crushed clay grain: ± 6 litres per unit.

**Filter layer:** A nonwoven polyester filter membrane of 150 g / m<sup>2</sup> ensures that the fine particles of the substrate can not be washed away and can not block the drainage holes.

**Substrate layer:** The thickness of the substrate layer has been adapted to the needs of the sedum species and to the climate. This layer, on one hand, provides nutrients and water supply for the vegetation, and on the other hand it provides oxygen and anchorage for the roots. Characteristics: Lightweight, high capacity to store water, nutritious but not excessive. Substrate volume: ± 5,5 litres per unit.

Green-tech endeavour to ensure that the information given on this technical data sheet is accurate, but accept no liability for its use or its suitability for particular application.

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**Sedum / Vegetation layer:** The modules are supplied with excellent coverage as close to 100% as we can achieve. Our modules are graded in the field to ensure that only the best are dispatched. The sedum vegetation is grown from seed consists of 16 species of sedum. We use seed rather than cheaper cuttings as this results in a greater number of species becoming established. During the establishment period the modules are supplied with extra nutrients and regular maintenance to facilitate good coverage and the perfect instant roof.

**Sedum Species (most common):**

Sedum Acre, Sedum Album, Sedum Floriferum, Sedum Hispanicum, Sedum Reflexum, Sedum Rupestre, Sedum Sexangulare, Sedum Spurium.

**Spring Maintenance:**

- Hand pull weeds
- Inspect vegetation for any poor growth areas and plant with sedum plug plants
- Apply slow release granular fertiliser

**Autumn Maintenance:**

- Hand pull any weeds
- Clear debris from drainage outlets

**Additional products ideal for use with gt Sedum Cassettes:**

- **Roof Edging:** Lightweight and robust aluminium sections designed for use as an edge restraint, or for where a solution for retaining or separating the roof garden materials is required.
- **gtRoot barrier® membrane:** gtRootbarrier® 260 is impermeable to roots and permeable to water.
- **Controlled release fertiliser:** Slowly releases the optimum nutrients to ensure excellent growth and vitality throughout the season.
- **20-40mm washed pebbles:** Perfect for finishing off your roof and adding well draining, vegetation free channels or edges to roof lights or inspection chambers.



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