



 **Rubberseal**  
Green Roofing Systems

# GREEN ROOF MODULE SYSTEM

## **Rubberseal modular ready-made green roof system.**

The Rubberseal ready-made green roof system is an all in one module, which contains the complete package of substrate and established Sedum together with a drainage layer and water reservoir for flat and slightly pitched roofs. This means separate supply of all the different materials needed to build up a green roof is unnecessary and the installation can be made without any specialist knowledge. The shape of the module facilitates an easy, fast and clean installation.



The fundamental part of any green roof is of course the underlying waterproof membrane. Both Rubberseal Liquiflex-Pro and Elevate EPDM are perfect solutions because of their seamless finish, meaning that there's no entry for plant roots to cause damage to the roofing system.

In a case where damage was caused to the membrane, you can imagine the upheaval of a traditional green roof system, having to remove each loose laid layer! That's why in addition to our high performance liquid system, we created a Rubberseal modular tray sedum system for its extreme convenience.

Our Rubberseal Green Roof System has multiple advantages over any other green roof system. Whilst they share the same purpose principally in slowing down rainwater into the drainage system, our modular trays make for cleaner and quicker installation. With a simple click into place, our modular trays can be fitted and secured as well as refitted in cases of damage to the underlying membrane.

Our modular trays also contain 16 varieties of luscious plant, adding to their aesthetic appeal among home owners and commercial owners alike. Equipped with nutrients, our Rubberseal Green Roof System can last you forever with some added TLC.

# GREEN ROOF MODULE SYSTEM

## COMPOSITION OF THE MODULE

### **Drainage layer:**

Rainwater which is not absorbed can be drained from the module and will flow underneath the module. Four drainage holes at the top and bottom of the water buffering zone have been drilled for this purpose and let the excess water slowly drain further buffering the effect of sudden storm situations.

### **Water buffering zone:**

Rain water will be buffered by capillary action through the substrate and drainage layer of expanded clay granules. This will be stored in the module to create an extra buffer for the dry periods up to the level of the drainage holes at 1 cm from the base. The volume of expanded clay granule is 6 litres per module.

### **Filtration:**

Small slits in the side of each water reservoir at a set height ensure that a reservoir is retained in the bottom of the module whilst filtering excess water to run off beneath without loss of substrate.

### **Substrate layer:**

The thickness of the substrate layer is related to characteristics of rooting zone of the sedum species and the climate. This zone ensures that there are plenty of nutrients and water available to the vegetation whilst at the same time providing sufficient oxygen to the roots and opportunity for the roots to anchor to the substrate.

### **Characteristics:**

Light weight, huge buffering capacity, nutritious but not too rich

### **Volume substrate:**

5.5 l per module

### **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.



# GREEN ROOF SEDUM MODULE SYSTEM

## BENEFITS

- Module tray manufactured from durable, sustainable and recyclable Polypropylene (PP).
- Resistant to UV Light, supplied with an UV stabiliser
- Resistant to chemical substances
- Resistant to temperature fluctuations and frost
- Flexible without loss of strength

## SPECIFICATION

- Dimension: 46 cmx 49.5cm with an edge height of 8 cm
- Area: 4.4 modules per 1 m<sup>2</sup>
- Weight: Empty module = approx. 0.7 kg
- Module filled with 2 layers as described = approx. 8.00 kg
- Module filled with 2 layers as described and saturated with water = approx. 12 kg



# GREEN ROOF BLANKET SYSTEM

## SEDUM

The Rubberseal mixed sedum mat comprises of a recycled polyester fibre mat, with a thin layer of specialist green roof substrate which the sedum plants themselves grow.

Our sedum turf is lightweight, low maintenance and offer an instant colourful green roof. Sedums are drought tolerant and therefore only require watering in long spells of dry weather.

We supply pre-grown sedum mats. A pre-blended sedum roll, containing an excellent range of proven sedum varieties, with a coverage of no less than 85%.



## BENEFITS

- Light Weight
- Low Growing
- Drought Tolerant
- Minimum Maintenance

## SPECIFICATION

- Roll Size: Supplied per m<sup>2</sup>
- Depth: Variable 25 – 45mm
- Material: Sedum grown on coir matting with clean organic compost and nutrient.
- Dry Weight: 12.5 kg/m<sup>2</sup>
- Saturated Weight: 14.7 kg/m<sup>2</sup>

# WILD FLOWER GREEN ROOF MODULE SYSTEM

## WILD FLOWER

In addition to our standard sedum trays, Rubberseal also offers a sedum and wildflower green roof system designed to enhance biodiversity and support sustainable urban environments.

With growing interest in nature-based design, these systems provide an ideal solution for urban greening projects, helping to attract and support wildlife such as bees, butterflies, insects, and birds. By recreating natural habitats on rooftops, we can help restore lost ecosystems and contribute to a healthier urban landscape.

Our sedum and wildflower mixes combine the reliable, year-round cover of sedum species with a diverse selection of native wildflowers, chosen for their ability to thrive in rooftop conditions. The carefully selected species offer the following benefits:

## BENEFITS

- Low-growing and resilient plants with good drought tolerance
- Native to the UK and Northern Europe
- Perennial and hardy, providing long-term performance
- Capable of thriving in low-nutrient substrates
- Proven to promote biodiversity and support pollinators



This blend of sedum and wildflowers delivers a visually appealing, low-maintenance green roof solution that actively supports sustainability and biodiversity in the built environment.

The turf mix flowers are carefully chosen to produce flowering plants from early in the spring right through to the middle of the autumn.

# GREEN ROOF ACCESSORIES

## Underlay Matting

1 m wide recycled polyester.

Use underneath drainage board or modules to protect roof membrane

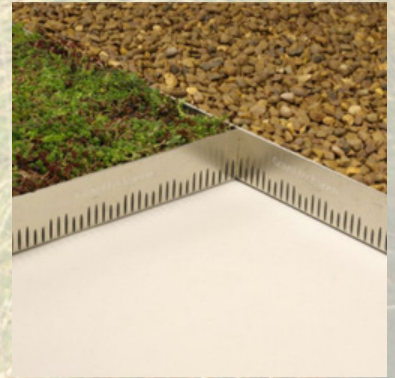


## Aluminium Edge Strip

Length - 80mm high

Do not degrade like steel or plastic equivalents

Edging delivered free with sedum modules/blanket order or £30 otherwise



## Pebble Pack

20mm drainage layer and 4 bags of pebbles per m2.

Used by some customers to give an aesthetically pleasing border or edge to the green roof. In addition a row of pebbles and the draining edge of the roof can aid the filtration of clean water in to guttering. A pebble border is the ideal solution for creating a fire break when required for building regulations.

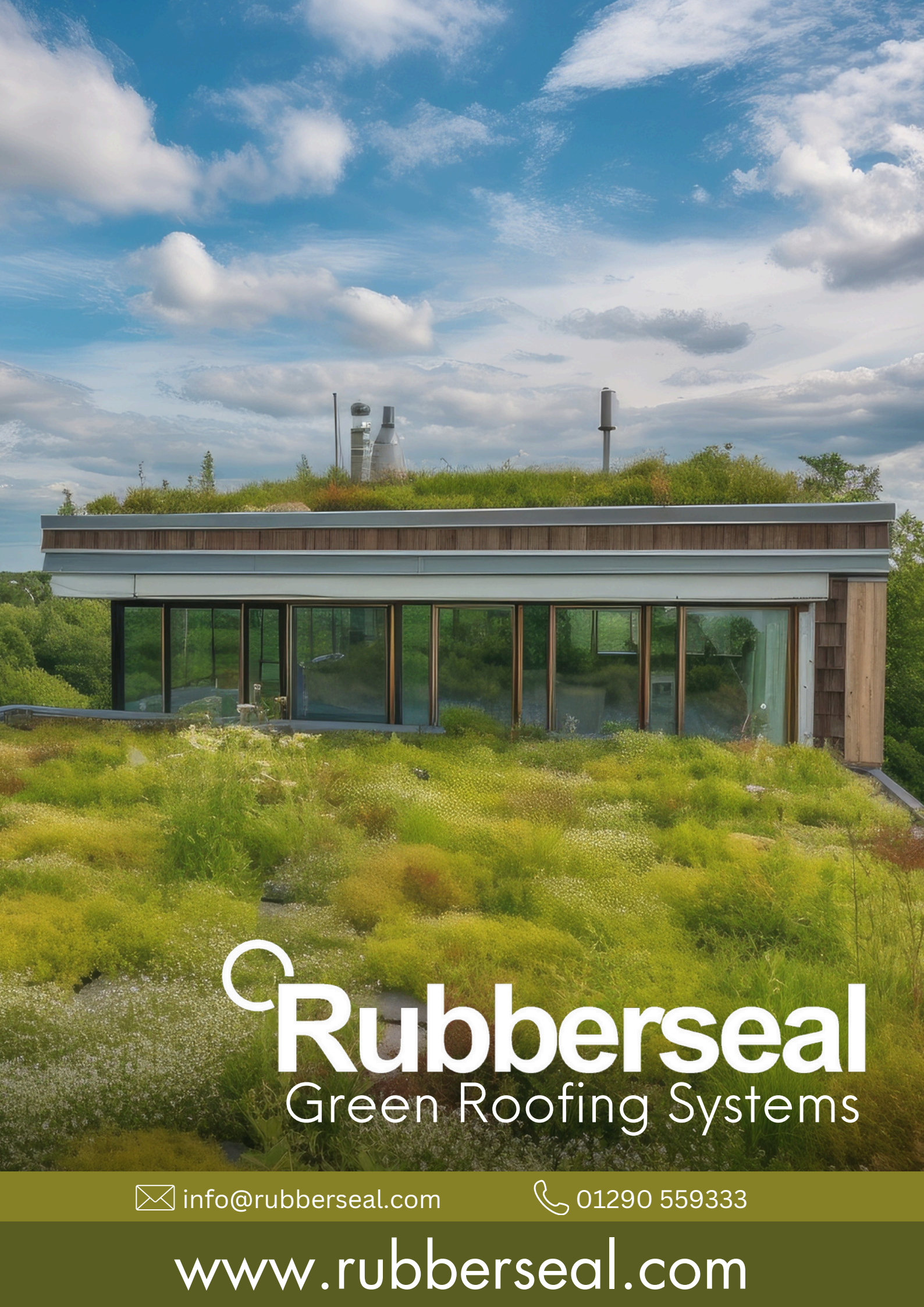


## Osmocote slow release fertilizer

Osmocote Preplant is a slow release fertiliser which will help to keep your green roof healthy. 1 kg bag covers 20m2.

The Osmocote PrePlant comes in small pellets which have a specially designed coating, releasing the fertiliser over a period of months. We recommend to apply OSMOCOTE slow release fertilizer every 6 or 12 month in April or October depending on how your roof is looking.





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