



# GREEN ROOFERS

SUSTAINABLE GREEN ROOF SOLUTIONS



## ABOUT US

Here at Green Roofers Ltd, we design, supply, install and maintain a wide selection of sustainable green roof systems. We have a passionate team of planners, designers, horticulturalists and installers, that strive to create a cleaner more environmentally friendly planet.

We believe that green solutions provide a vital role in building an environmentally friendly culture. They bring about many benefits to our environment, enhance the modern landscape in a positive, clean and visually inspiring way, helping to engage various sectors of society.

We are very proud to be part of a movement that is striving for more liveable, healthy cities.

### LET'S MAKE A CHANGE!

With a growing need for green space in our vastly expanding urban environment, green roofs have a pivotal role in absorbing air pollution whilst also providing a living space for wildlife – and looking great doing so!

### DID YOU KNOW ?

Green roofs have been in existence for hundreds of years, with their roots traced back to Scandinavia where they were used to provide shelter from the elements in winter months, and to stay cool in the summer. The modern principals of green roof design were heavily developed in Germany in the 1970's with the intention of restoring the natural environment, and the added protection of roofing membranes.

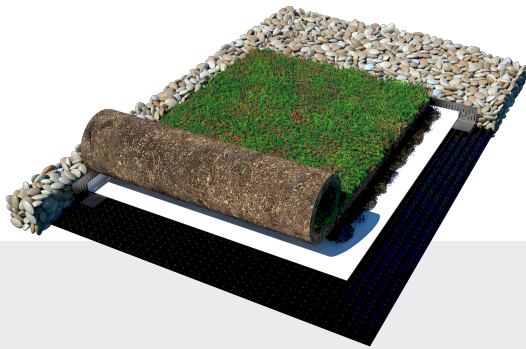




## SEDUM BLANKET SYSTEM

Sedum is the most common species of green roof throughout the United Kingdom. Offering an instant green effect with a vibrant blossom throughout spring and summer. Typically reaching a height of around 2cm-5cm. Sedum is an ideal plant for green roofs not only because it requires minimal maintenance but also because there are a wide variety, making it possible to create a beautiful low maintenance green roof.

Our blankets are pre-grown and already have 90% coverage upon delivery. Each blanket includes a wide variety of sedums (minimum of 11 per blanket). Sourced from 38 different varieties.



## GREEN ROOFERS | SYSTEM BUILD-UP

1. GRXS Sedum Blanket
2. GRX Substrate
3. GRD Filter Fleece
4. GRD Drainage Layer
5. Slotted Perimeter Trim
6. Cobble Border
7. Protection Fleece / Waterproof Layer





## WILDFLOWER BLANKET SYSTEM

Our wildflower blankets are pre-grown with a 90% coverage upon arrival, including a minimum of 15 species, sourced from 23 different varieties.

Wildflower requires an intensive build up when comparing to sedum, although this system will enable a wider and more complex planting scheme. Typically reaching a height of around 20cm-30cm during peak spring/summer, incorporating grasses, herbs & wildflowers.



## GREEN ROOFERS | SYSTEM BUILD UP

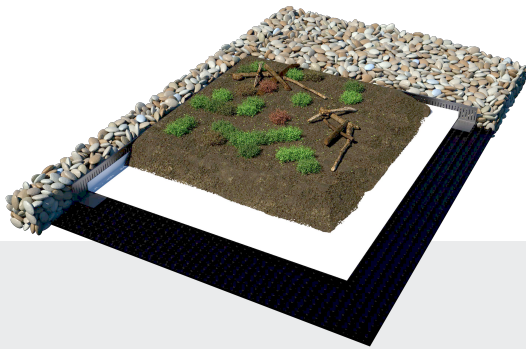
1. GR Wildmat Blanket
2. GRi Intensive Substrate
3. GRD Filter Fleece
4. GRD Drainage Layer
5. Slotted Perimeter Trim
6. Cobble Border
7. Protection Fleece / Waterproof Layer



## GREEN ROOF SYSTEMS

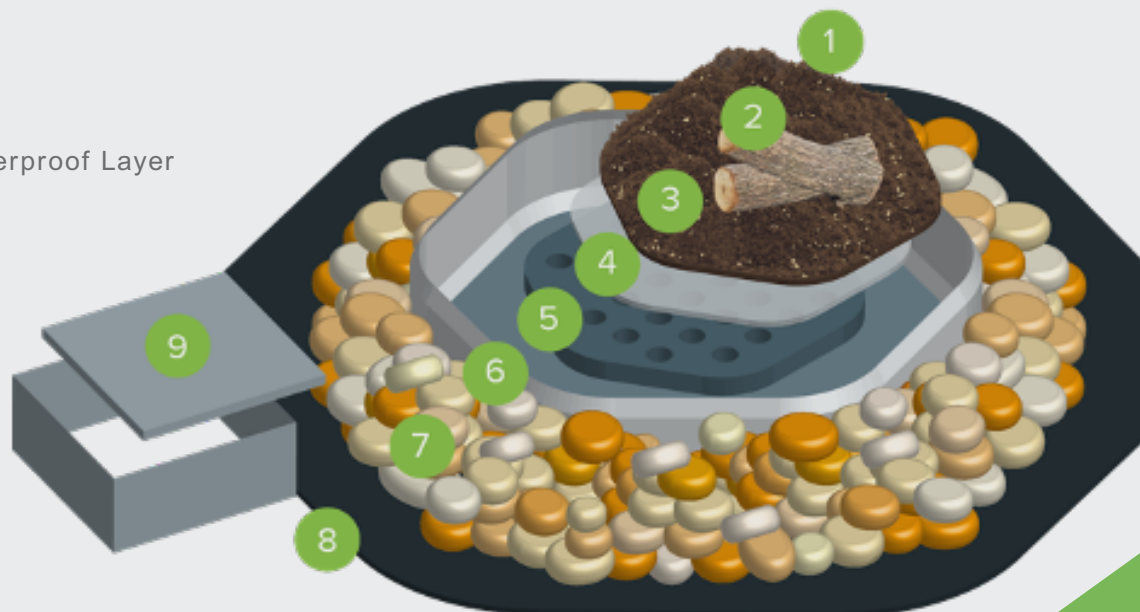
### BIO DIVERSE/BROWN ROOFS

Biodiverse & brown roofs have large ecological benefits; these systems promote bio diversity and provides unique habitat spaces for local wildlife. There's no set design for this system and can be customised to suit the surrounding environment and clients wishes. You will often see on a typical bio diverse roof; various depths of substrate, sand piles, bird boxes, log piles, Boulders and seeded areas (Or can be left to self-seed).



### GREEN ROOFERS | SYSTEM BUILD UP

1. GR Habitat Areas
2. GR Bio Diverse Substrate
3. GRD Filter Fleece
4. GRD Drainage Layer
5. Slotted Perimeter Trim
6. Cobble Border
7. Protection Fleece / Waterproof Layer





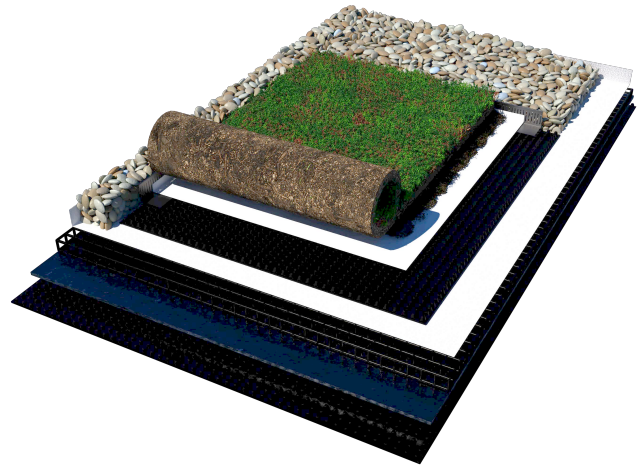
## GREEN ROOF SYSTEMS

### BLUE ROOF SYSTEMS

Changing weather conditions means rainfall events have become more extreme, which can result in entire public sewerage systems being overwhelmed. Traditional roof drainage methods have allowed rain water to simply run off the building and into storm water sewers or natural water courses, this lack of management is a major factor in the rising number of flood events occurring throughout the country.

Green Roofers Ltd.'s Blue Roof can hold a large amount of precipitation and then released at a controlled rate through a bespoke restrictor outlet designed specifically for the site into the sewerage system over a pre-defined period.

Blue roofs can be designed beneath all green roof types including extensive, intensive and biodiverse (brown).



### PAVING WORK

We don't just install green roofs! With over 20 years of experience completing paving work all over the United Kingdom. Green Roofers supply and install a wide variety of different paving brands and sizes.



### STORMWATER MANAGEMENT

A green roof can hold up to 80% of stormwater runoff, to help prevent flooding and lessen the impact on city drainage structures.

### REDUCTION OF ENERGY USAGE

Green roofs offer cooling temperature control in hot summer months, reducing the demand for air-conditioning, and studies have shown in winter heating bills can be reduced by over 10%.

### HEAT ISLAND EFFECT

Urban areas have a high temperature average compared to rural areas due to the lack of green space. Vegetation from green roofs improves microclimate by absorbing heat and reducing the temperature of hard surface, and enhancing the humidity.

### HABITAT SPACE FOR RARE WILDLIFE

Green roofs provide a rich habitat for small insects and invertebrates to breed within an urban environment.

### ENHANCES AESTHETICS

Green roofs offer aesthetic quality and human dimension to the urban design for creation of a more pleasant cityscape, enhancing the visual interest of the city scene and vibrancy of the city life.

### MORALE AND PERFORMANCE

Studies show that visible and/or accessible green roofs on commercial rooftops can improve morale and productivity through psychological comfort and relief.

### INCREASED ROOF LIFESPAN

Studies have shown that a green roof can increase a roofs average lifespan by up to 3 times.

### NOISE REDUCTION

A combination of the substrate, vegetation, and air locked within the green roof system acts as sound insulation, with tests showing reduction in noise of up to 50dB.

### GOVERNMENT AND DISTRICT INCENTIVES

Many cities and districts such as London offer grants or incentives when using a green roof solution.

### INCREASE SOLAR PANEL/PV EFFICIENCY

Green roofs help to maintain the efficiency of solar panel systems by keeping PV panels cool and help to maintain an ambient temperature of 25 °C needed for maximum energy absorption.

### PROVISION OF GREEN & AMENITY SPACE

Green roofs provide much needed green space within our rapidly growing urban environment to help soften built up areas, and contribute ecological function.

### IMPROVED AIR QUALITY

Through the process of photosynthesis, plants absorb carbon dioxide and release oxygen, refreshing the surrounding air. They also absorb harmful gases such as sulphur dioxide and nitrogen oxide within the atmosphere and help break down noxious gas emitted from vehicles or industrial activities.



A SELECTION OF CLIENTS



Wildflower Roof

BATTERSEA REACH

Special Mix Substrate / Blue  
Roof and Slabs

Frankie  
& Benny's

Bio Diverse Roof



Sedum Roof

Royal  
Botanic  
Gardens **Kew**

Sedum and Wildflower  
Roofs



Drainage and insulation  
for roof playground



Sedum Roof



8 roofs  
(Sedum and Bio-Diverse)



Wildflower Roofs



# GREEN ROOFERS

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