

SYSTEM SUMMARY

SKY GARDEN WILDFLOWER BLANKET SYSTEM SGWBSS01

Version 1.3

SKY GARDEN WILDFLOWER BLANKET SYSTEM

Sky Garden's wildflower systems are the most biodiverse and attractive green roof system when fully established. Each wildflower blanket is sown with a seed mix of 38 species of wildflower and grass to create a vibrant array of colour on your roof. The species have been specifically chosen to survive roof conditions and increase biodiversity on extensive, intensive and podium systems.

The depth of substrate is increased to 100mm compared to the sedum system's 60mm, allowing for the wildflowers to flourish and establish healthily. Although the flowers are not in bloom throughout the year, the winter months still provide a green finish throughout the roof area.

Alumunium Separation Profile

Riverstone Border

Wildflower Blanket

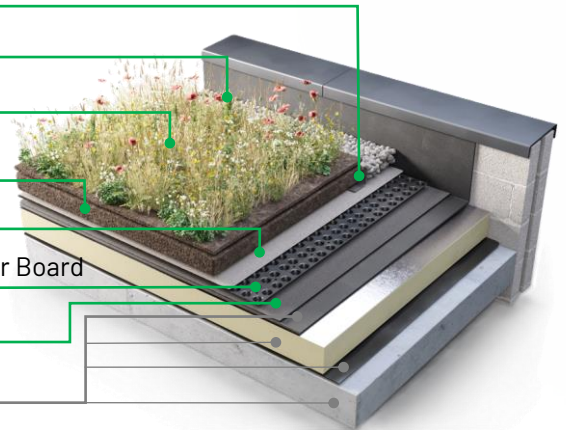
Bio-Diverse Substrate

2mm Filter Fleece

20mm Drainage / Reservoir Board

3.5mm Protection Fleece

Indicative Roof Build Up



APPLICATIONS

Systems are suitable for new build but generally too heavy for refurbishment. Roof pitches up to 15° can be greened but over 15° retention and irrigation are required.

Blankets offer instant greening solutions and the system is suitable for high visibility situations where established finishes are required. The system weight allows for inverted system ballasting as dry weights exceed 80kg/m².

MAINTENANCE

Wildflower blanket systems require more maintenance than standard sedum systems. It is recommended that old growth is removed annually to ensure the roof remains healthy and to minimise invasive species.

IRRIGATION

Wildflower Blanket systems with a minimum of 100mm substrate may require irrigation for the first six months post installation and then periodically through the summer to maintain aesthetic performance.

ADDITIONS

Wildflower, cornflower, herbs or perennials can be added to enhance biodiversity (growing time 8-12 months, variety dependent).

BENEFITS

- Instant greening & better establishment
- Less maintenance than immature systems
- Greater species diversity
- Greater ecological function
- Better habitat and pollen/nectar provision

COMPONENTS INCLUDED

| | | |
|-------------------|---------------------------------|---------------|
| Protection Layer | Geo synthetic filter fleece | 3.5mm |
| Drainage Layer | Drainage and retention cell | 20mm |
| Filtration Layer | Geo synthetic filtration fleece | 2mm (nominal) |
| Substrate Layer | Blended growing medium | 100mm |
| Vegetation Layer | Wildflower blanket | 30mm |
| Number of Species | 30+ | |
| Contour | System laid flat | |



SYSTEM PERFORMANCE

| | |
|-------------------------------------|----------------------|
| System Water Reservoir Capacity | 8-10L/m ² |
| System Weight Dry | 108kg/m ² |
| System Weight Wet | 156kg/m ² |
| Substrate runoff reduction | 70% |
| Vegetation Coverage | >90% |
| Flowering Season | Spring / Autumn |
| Typical Maintenance Visits Per Year | 2 |
| BREEAM Credits Available | Yes |

ADDITIONAL ITEMS TO STANDARD SYSTEM OFFER









| | |
|-----------------------------------|--|
| River Stone Detail (Edge) | 500mm (20:40) Stone detail |
| River Stone Detail (Penetrations) | 500mm (20:40) Stone detail |
| Metal Retention Detail | 1.5mm bonded or ballasted system |
| Metal Separation Detail | 1.5mm bonded or ballasted system |
| Irrigation | Recommended for establishment and periods of drought |
| Additional Species | Regional wildflower and cornflower over seed 1-2gms/m ² |

HABITAT CREATION AND CONTOUR

| | |
|------------------|---|
| Habitat Creation | Rock and log piles |
| System Contour | Light 20mm contour can be specified at design |

BENEFIT MATRIX

Based on the sedum blanket system stated above the following benefits should be achievable:

| | | | |
|-------------------|---|-------------------|---|
| Aesthetic Quality |  | Biodiversity |  |
| Air Quality |  | Energy |  |
| Urban Heat Island |  | Water Attenuation |  |
| Acoustics |  | Maintenance |  |

(Ratings of the Benefit Matrix above: 1 – Icon Low Benefit, 2 – Icon's Medium Benefit, 3 – Icon's High Benefit)



BIODIVERSITY NET GAIN

A Wildflower blanket roof represents a significant biodiversity net gain for plant and animal species. Through its vegetation, the roof attracts pollinators, supports local wildlife, and enhances urban biodiversity. Its role in stormwater management, microclimate regulation, and soil health further amplifies its positive impact on ecosystem resilience and sustainability.



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