

## Green Roof Vegetation

Biosolar, extensive and biodiverse planting schemes







East Anglia's Children's Hospice,  
Ipswich

#### BUILDING BOARD

Roof Size: 700 m<sup>2</sup>

Roof Systems: Bauder Total Green Roof System  
BauderEXTENSIVE PLANTsubstrate

Vegetation: Plug plants

Architect: Barefoot & Gilles

Bauder is a leading international manufacturer of flat roof waterproofing membranes and insulation to make buildings watertight and thermally efficient; photovoltaic installations for renewable energy generation; green roofs to support the environment and create living and working spaces for people; and blue roofs to attenuate stormwater.

Customers choose us because of the way we do business, our robust advice on the right solutions, and our approach to delivering projects. We collaborate with clients to find the optimal solution for a building from our broad portfolio of systems.



# Vegetation for Extensive Green Roofs

## Selecting the planting scheme for biosolar, extensive and biodiverse green roofs

Extensive green roof systems typically have thinner layers of substrate, keeping depth and weight to a minimum. They have no general access and usually require less maintenance.

A Bauder green roof combines the finished planting scheme with its supportive components and a secure waterproofing system all covered by a single guarantee.

For all green roofs, an integrated approach is crucial for the design and specification of both the waterproofing and landscaping components to achieve the best results. Your local Bauder area technical manager and our design team can support you through all the considerations when configuring the the solution for your project. We will assist you from the conceptual stage in developing a practical solution and ensure long-term performance of the selected green roof system and its vegetation finish.

Bauder has two different green roof system categories for which we supply the vegetation for the scheme, depending on the desired finish.

- BauderEXTENSIVE - Lightweight, low maintenance, vegetation systems for instant greening of the roof
- BauderBIODIVERSE - Creating substitute habitats for flora, insects and fauna

Bauder also has these system options for different green roof solutions that will require additional support from a landscape designer or hard surface supplier.

- BauderINTENSIVE - Accessible rooftop gardens and recreational spaces with garden planting schemes where the vegetation is selected, supplied and installed by a landscape designer
- BauderHARDSCAPE - Pedestrian and vehicular access areas or for a full roof area

If you are unsure which green roof system you require, please refer to our Green Roof Solutions brochure, available on our website at [bauder.co.uk/green-and-blue-roofs](https://bauder.co.uk/green-and-blue-roofs).





# Vegetation Classifications

## Selecting the correct plant species and vegetation finish

The focus of this guide is vegetation selection for extensive and biodiverse green roofs with substrate depth under 200 mm.

### Vegetation types

#### Sedum roofs

These roofs are planted with mainly sedum species that are evergreen, low-growing, drought-tolerant, and low-maintenance. Most sedums are not UK native species and have short flowering period. Consequently, sedum roofs are considered to have a lower environmental benefit compared to other green roof finishes.

#### Wildflower roofs

The roof is planted with British native wildflowers that are quick to establish, have longer flowering periods for a prolonged food source for pollinators, and generate a diverse habitat to enhance biodiversity. These green roofs are typically 160 kg/m<sup>2</sup> and require more maintenance, such as watering in drought episodes, than sedum systems.

#### Biodiverse roofs

A wide mix of plant species (normally all British native provenance) and additional design elements, such as dew ponds and log, stone and sand piles, create a desired habitat on a biodiverse roof. Intended to give a broad spectrum of differing habitats for plants and insects.

#### Brown roofs

This term is used to describe a self-generated biodiverse roof. No longer considered best practice in establishing biodiverse roofs.

For guidance on the initial design of a green roof, please refer to the Bauder Green Roof Design Considerations. Other combinations including blue roofs or biosolar systems are also covered in their own design guides.





# Vegetation Supply Options

## Delivering the desired plant coverage to meet project requirements

For BauderEXTENSIVE and BauderBIODIVERSE there are different approaches for establishing the green roof: seed, plug plants and vegetation blanket.

### Seeded roof

This is the most cost-effective way to generate vegetation at roof level. It is important to consider that seeding can only take place at the correct time of year and will take up to two years to fully establish. Sowing sedum at roof level may be considered impractical, given the small size of sedum seeds and the risk of even light wind conditions blowing them from the roof before they can germinate fully and set down stabilising roots. Bauder produces six unique mixes of native wildflower seeds (see pages 6 to 10).

### Plug plants

Plug-planting allows the exact mix of species to be grown, and for each species to be in the required position. Plugs will require aftercare and watering to ensure success. Where the aim is biodiversity and to replicate the local ecology, using a seed mix combined with plug-planting and other habitat features will produce a broad range of habitats (see pages 12 and 13).

This planting option is likely to achieve optimal results when the roof is required to conform to a local Biodiversity Action Plan (BAP) or the site's Urban Greening Factor (UGF) commitment.

### Vegetation blanket roofs

The use of pre-grown sedum or wildflower vegetation blankets gives instant greening and quicker establishment of the plants. The sedum blankets are typically grown for a year in our dedicated farm acreage prior to installation.

Wildflower blankets establish quickly, flowering in the first spring/summer after installation and whilst it can be more expensive than seeding, wildflower blankets prevent issues with poor germination and erosion which otherwise might cause the roof to fail.



Seeded roof (BauderGREEN Flora 3 Seed Mix)



Biodiverse roof (BauderGREEN Plugs and BauderGREEN Flora 5 Seed Mix)



Sedum roof (BauderEXTENSIVE LIGHTWEIGHTsedum)

# BauderGREEN Flora Seed Mixes

## Specifically designed for greening large areas and sowing at rooftop level

A range of UK provenance seed mixes where the plants establish over 18-24 months

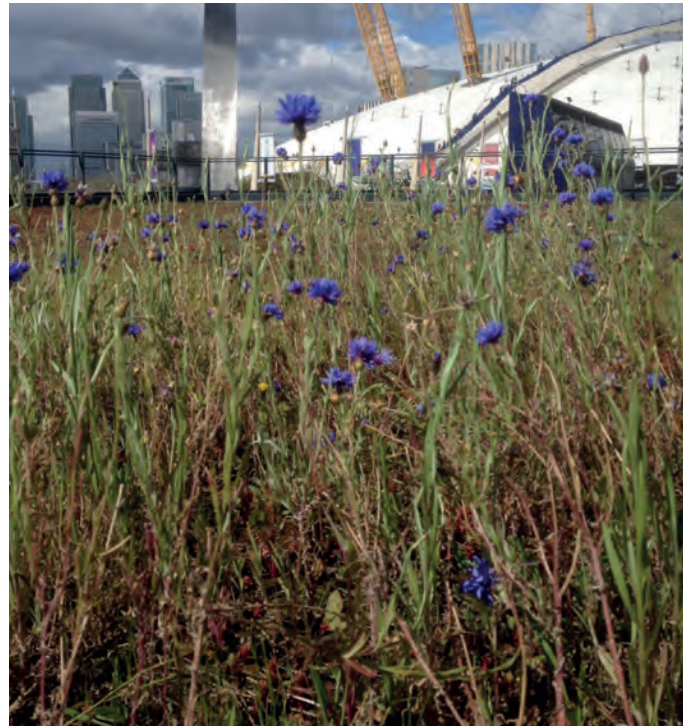
The seed mixes are intended to be used on biodiverse green roofs and are enhanced with additional tackifier, organic nutrients and mycorrhizal fungi to give high germination and establishment rates.

The adhesive binds the seed to the substrate, preventing it from being blown away in windy conditions or being washed deep into the substrate and failing to germinate.

Mycorrhizal fungi increases root uptake, facilitating water and nutrient transfer for quick plant establishment.

The seed mixes contain UK provenance seed as per Flora Locale guidelines. Several mixes carry the Royal Horticultural Society (RHS) Plants for Pollinators mark and have been endorsed by Buglife. The seed mixes are sown onto BauderGREEN SUB-BM UK biodiverse substrate. The species mix varies with the type of habitat the mix is designed for.

- BauderGREEN Flora 3 Seed Mix (shade)
- BauderGREEN Flora 5 Seed Mix (urban)
- BauderGREEN Flora 7 Seed Mix (chalk/grassland)
- BauderGREEN Flora 9 Seed Mix (coastal)
- BauderGREEN Flora 11 Seed Mix (Scottish)





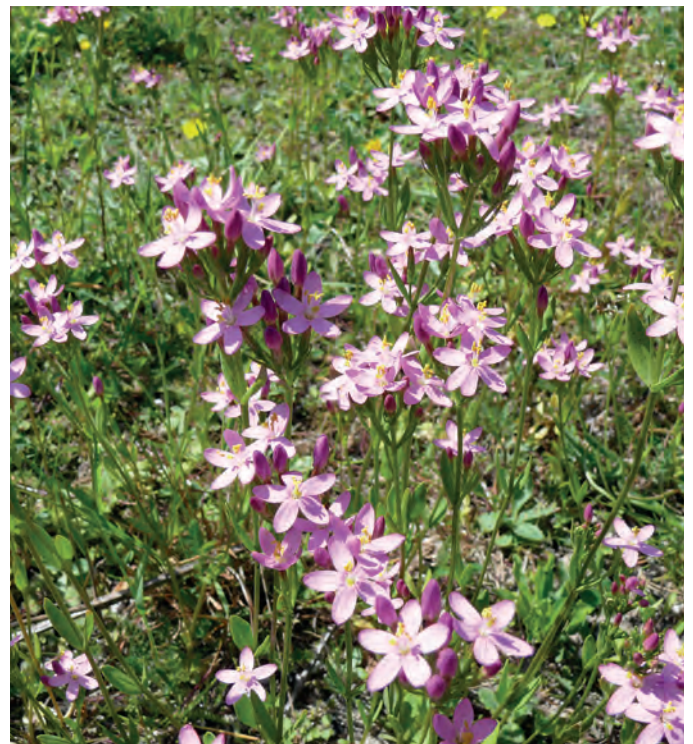
# BauderGREEN Flora 3 and 5 Seed Mixes

## BauderGREEN Flora 3 Seed Mix

A blend of low-growing and shade-tolerant species developed to maximise diversity of vegetation on green roofs.

### Key features:

- Chosen for rooftop conditions including light and shade, and exposed and sheltered, making it suitable for biosolar rooftops
- Delivers the British native, biodiverse species required for BREEAM compliance (See BREEAM habitat classification notes A and B in GN36, Appendix C)
- Extended flowering season (April to October) provides a nectar- and pollen-rich habitat for priority pollinators, larval food plants for butterflies, and seed sources for birds
- Included in the mix: Bird's-foot trefoil and Kidney vetch, both important larval food plants for ten butterfly and moth species, including common and small blue

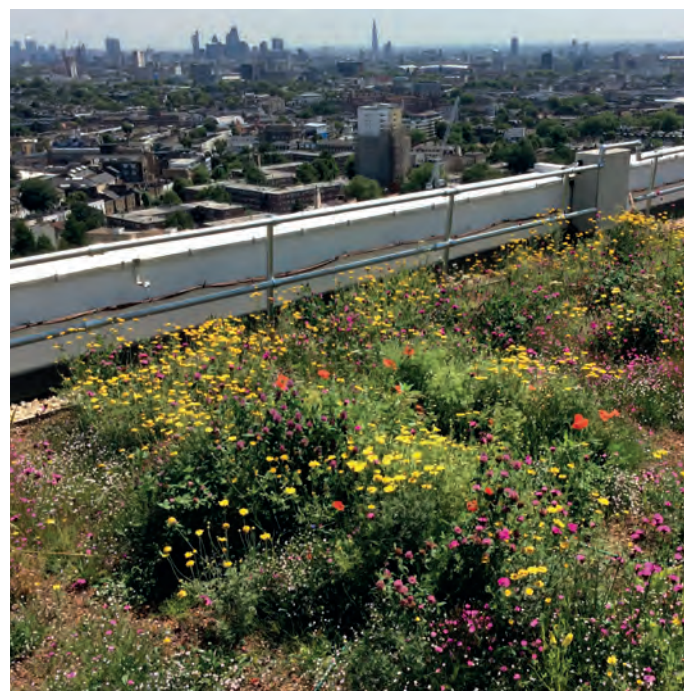


## BauderGREEN Flora 5 Seed Mix

Developed to meet the needs of exposed and dry rooftop conditions in urban areas and high-rise inner-city locations.

### Key features:

- Delivers maximum biodiversity enhancements for BREEAM (See BREEAM habitat classification notes A and B in GN36, Appendix C)
- Includes seeds previously found in the 'London Mix' adopted by many London boroughs
- Multiplicity of wildflowers within the mix, providing a nectar- and pollen-rich habitat for priority pollinators, larval food plants for butterflies and a foraging habitat for birds
- April to October flowering season





# BauderGREEN Flora 7 and 9 Seed Mixes

## BauderGREEN Flora 7 Seed Mix

A blend of plant species adapted to the free-draining chalky soils typical of the Downs and other limestone grassland plant communities.

### Key features:

- ❑ Aims to create unimproved chalk grassland meadow at roof level
- ❑ Delivers maximum biodiversity enhancements for BREEAM (See BREEAM habitat classification notes A and B in GN36, Appendix C)
- ❑ Helps provide a nectar- and pollen-rich habitat for priority pollinators, larval food plants for butterflies, and a foraging habitat for birds
- ❑ April to October flowering season
- ❑ Includes drought-tolerant species such as Salad Burnet, Wild Thyme and Horseshoe Vetch
- ❑ Flowers of various heights to give structural habitat



## BauderGREEN Flora 9 Seed Mix

A coastal mix of grass and wildflowers that are adapted to tolerate salt-laden winds, dry and sandy conditions, and the exposed, thin soils on rooftop coastal sites.

### Key features:

- ❑ Diversity of plant species for maximum BREEAM credits and biodiversity enhancements for wildlife (See BREEAM habitat classification notes A and B in GN36, Appendix C)
- ❑ Delivers a typical coastal cliff top plant community that will blend into or complement surrounding coastal habitats
- ❑ Provides a nectar- and pollen-rich habitat for pollinators, and larval food plants for butterflies and moths
- ❑ April to October flowering season
- ❑ Includes salt-tolerant species Sea Campion, Sheep's Fescue, and native sedums for ground cover and soil stabilisation
- ❑ Can be added to other BauderGREEN flora seed mixes





# BauderGREEN Flora 11 and 15 Seed Mixes

## BauderGREEN Flora Seed Mix 11

A Scottish provenance mix designed to ensure native Scottish seed is used to meet the specific requirements of rooftop conditions in Scotland.

### Key features:

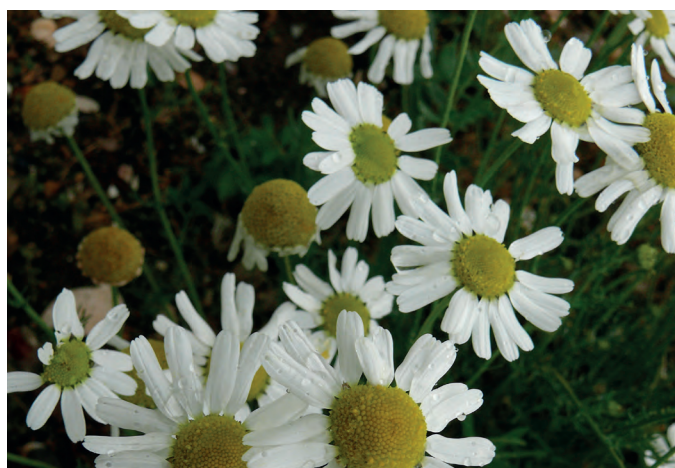
- ❑ Delivers maximum BREEAM credits (See BREEAM habitat classification notes A and B in GN36, Appendix C)
- ❑ Provides biodiversity enhancements for wildlife
- ❑ Contains a diversity of specially selected wildflowers featured on the Scottish Biodiversity List, which provide a nectar- and pollen-rich habitat for pollinators and larval food plant for butterflies
- ❑ April to October flowering season
- ❑ Flowers of various heights give structured planting
- ❑ Includes plant species typical of Scottish flora (such as Scottish Bluebell and Thrift) and has a high number of bumblebee food plants

## BauderGREEN Flora 15 Seed Mix

The Flora 15 seed mix has all the components required to improve the germination and the successful establishment of vegetation for a variety of rooftop conditions. This seed mix contains specially selected and highly diverse wildflowers typical to the Channel Islands, which provide a nectar- and pollen-rich habitat for pollinators and larval food plants for butterflies.

### Key Features:

- ❑ Delivers wildlife enhancements, including species listed as most threatened in the Biodiversity Strategy for Jersey
- ❑ Suitable for more challenging coastal weather conditions
- ❑ Lengthy flowering season from April to October
- ❑ Varied heights of flowers to give structured planting
- ❑ Delivers maximum BREEAM credits (See BREEAM habitat classification notes A and B in GN36, Appendix C)





# BauderGREEN Flora Seed Mixes

## Overview of the six seed mixes

Suited to different green roof environments including coastal, urban, chalk grassland, and for the specific geographical locations of Scotland and Jersey.

The seed blends are designed for particular habitats to give a long flowering season. Using a seed mix is a cost-efficient solution which is less labour-intensive to install than vegetation blanket or a plugged solutions.

The seed mixes are sourced using British Native species, and include a Scottish provenance mix. They are specifically designed for sowing at roof level, and contain a fertiliser tackifier for sticking the wildflower seed to the surface of the substrate, preventing it from being blown away or washed deep into the substrate.

As the seed germinates on the roof the mycorrhizal fungi and slow-release fertiliser contained in the mix speed up the establishment process.

The blend of seeds balances the need for non-invasive grasses and low ground cover to prevent erosion, with wildflowers that provide a nectar source for insects visiting the green roof.

**BauderGREEN Flora Seed Mix comparison table**

NAME	BauderGREEN Flora 3 Seed Mix	BauderGREEN Flora 5 Seed Mix	BauderGREEN Flora 7 Seed Mix	BauderGREEN Flora 9 Seed Mix	BauderGREEN Flora 11 Seed Mix	BauderGREEN Flora 15 Seed Mix
Region	General	Urban	Chalk Grassland	Coastal	Scottish	Jersey
Description	Low-growing and shade-tolerant species to suit most conditions. Recommended for biosolar installations.	Chosen plants can absorb pollution and CO <sub>2</sub> and provide a habitat for insects and invertebrates.	Key wildflower species found on the North and South Downs, the Mendips, the Chilterns, and the Cotswolds.	Species that can cope with drier conditions, higher winds, and a more saline environment.	Seeds are certified to be of Scottish provenance, giving Scottish sites truly native vegetation.	Contains specially selected and highly diverse wildflowers typical to the Channel Islands.
No. of Species	49	38	28	24	33	23
Wildflowers	31 (65%)	28 (80%)	23 (85%)	14 (75%)	26 (75%)	17 (85%)
Annuals	8 (20%)	6 (10%)	None	3 (10%)	3 (15%)	1 (5%)
Sedges & Grasses	8 (15%)	2 (10%)	5 (15%)	4 (15%)	2 (10%)	3 (10%)
Sedum	2	2	0	3	2	2
Coverage	100g per m <sup>2</sup>	100g per m <sup>2</sup>	100g per m <sup>2</sup>	100g per m <sup>2</sup>	100g per m <sup>2</sup>	100g per m <sup>2</sup>
RHS Perfect for Pollinators	35	34	22	20	29	18
Laval Food	12	9	11	8	6	3

These mixes can be used on their own or combined with Bauder British native plugs or other mixes to give a wider vegetation selection. All the mixes are sown at a rate of 100 g/m<sup>2</sup> and applied in the same way. All native seed is collected under the Flora Locale code. Seed mixes are approved as Perfect for Pollinators from the Royal Horticultural Society (RHS). Biodiverse specification and habitat layout designs are approved by the invertebrate charity, Buglife.





Centre for Agriculture and Bioscience International (CABI),  
Oxfordshire

#### BUILDING BOARD

Roof Size:	2,044 m <sup>2</sup>
Roofing Systems:	Bauder Thermofol PVC System BauderEXTENSIVE BIODIVERSE BauderEXTENSIVE LIGHTWEIGHTsedum
Specifier:	Scott Brownrigg
Main Contractor:	Barnwood Construction
Approved Contractor:	Malone Roofing





# BauderGREEN Plug Plants

## A broad range of sedum and wildflower plugs for use on BauderEXTENSIVE and BauderBIODIVERSE green roofs

Plug plants are a useful way of establishing a green roof, enabling the exact species to be planted in any location.

Individual plug plants are used when the client requires a particular type and species of vegetation. The 'plugs' are varieties of sedums, grasses, herbs and perennials and are planted by hand to the required density.

### Key features:

- Enables the most control for a green roof designer
- Allows the correct species to be planted in the optimal location, useful for small green roof aesthetic requirements
- Spring or autumn planting for optimum establishment
- Longer installation time compared to BauderGREEN Flora Seed mixes

Bauder supplies approximately 300 different species of sedums, native wildflower and other species plugs (refer to the facing page for a list) enabling the exact species to be supplied for the particular location. Bauder's British native species plugs are all grown in the UK and sourced in line with the Flora Locale code of conduct, a charity that provides best practice for the sourcing and collection of native seed in the UK.

The plugs are grown in peat-free compost and the production avoids using chemicals, instead using primarily biological control methods. This includes keeping aphids, sciaridae flies and vine weevil under control.

Bauder recommends plugs are planted at between 15-25 plugs per m<sup>2</sup>. The plugs will require careful handling and aftercare that comprises watering for the first 10-12 weeks. Refer to Bauder Green Roof Installation Guide and Bauder Extensive or Biodiverse Green Roof Maintenance Guide.



Planting stage



Plugs at year two



# British Wildflower Plug Plants sample list

BOTANICAL NAME	COMMON PLANT NAME	FLOWERING COLOUR	FLOWERING PERIOD	POSITIONING
<i>Allium scorodoprasum</i>	Sand Leek	Purple	May-Aug	
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	Brown	Apr-Jul	
<i>Anthyllis vulneraria</i>	Kidney Vetch	Yellow	Jun-Sep	
<i>Arabis glabra</i>	Tower Mustard	White	Jun-Jul	
<i>Armeria arenaria</i>	Jersey Thrift	Pink	Jul-Aug	
<i>Bellis perennis</i>	Daisy	White	Mar-Oct	
<i>Campanula glomerata</i>	Clustered Bellflower	Purple	Jun-Oct	
<i>Campanula rotundifolia</i>	Scottish Bluebell, Harebell	Purple	Jun-Sep	
<i>Centaurea cyanus</i>	Cornflower	Blue	Jun-Aug	
<i>Dianthus deltoides</i>	Maiden Pink	Pink/Red/White	Jun-Sep	
<i>Erigeron acer</i>	Blue Fleabane	Blue	Jul-Aug	
<i>Erysimum cheiri</i>	Wild Wallflower	Yellow/Orange	Mar-May	
<i>Galium verum</i>	Lady's Bedstraw	Yellow	Jul-Aug	
<i>Helianthemum nummularium</i>	Common Rock Rose	Yellow	May-Sep	
<i>Hypericum perforatum</i>	Perforate St John's-Wort	Yellow	Jun-Sep	
<i>Hypochaeris radicata</i>	Catsear	Yellow	Jun-Sep	
<i>Leontodon autumnalis</i>	Autumn Hawkbit	Yellow	Jun-Oct	
<i>Leontodon hispidus</i>	Rough Hawkbit	Yellow	Jun-Sep	
<i>Leucanthemum vulgare</i>	Oxeye Daisy	White	May-Sep	
<i>Linaria purpurea</i>	Purple Toadflax	Purple	Jun-Oct	
<i>Linaria vulgaris</i>	Common Toadflax	Yellow	Jul-Sep	
<i>Lotus corniculatus</i>	Bird's-Foot Trefoil	Yellow	Jun-Sep	
<i>Ononis spinosa</i>	Spiny Restharrow	Purple/Pink	Jun-Sep	
<i>Papaver rhoeas</i>	Common Field Poppy	Red	Jun-Aug	
<i>Plantago coronopus</i>	Buck's-Horn Plantain	Yellow	May-Jul	
<i>Plantago lanceolata</i>	Ribwort Plantain	Brown	Apr-Oct	
<i>Poterium sanguisorba ssp. Sanguisorba minor</i>	Salad Burnet	Red	May-Aug	
<i>Sedum acre</i>	Biting Stonecrop	Yellow	Jul-Aug	
<i>Sedum album</i>	White Stonecrop	White	Jun-Aug	
<i>Sedum anglicum</i>	English Stonecrop	Pinkish-White	Jun-Sep	
<i>Silene uniflora (maritima)</i>	Sea Campion	White	Jun-Aug	
<i>Silene vulgaris</i>	Bladder Campion	White	Jun-Aug	
<i>Thymus polytrichus</i>	Wild Thyme	Purple	May-Aug	
<i>Achillea millefolium</i>	Yarrow	White	Jun-Aug	
<i>Agrimonia eupatoria</i>	Agrimony	Yellow	Jun-Sep	
<i>Allium schoenoprasum</i>	Wild Chives	Purple	Jul-Aug	
<i>Armeria maritima</i>	Thrift	Pink	Apr-Oct	
<i>Briza media</i>	Quaking Grass	Purple/Green	May-Aug	
<i>Carex arenaria</i>	Sand Sedge	Brown	May-Jul	
<i>Carex flacca</i>	Glaucous Sedge	Brown	May-Jun	
<i>Clinopodium vulgare</i>	Wild Basil	Pink	Jul-Sep	
<i>Cynosurus cristatus</i>	Crested Dog's-tail	Green/Light Brown	Jun-Aug	
<i>Echium vulgare</i>	Viper's Bugloss	Blue	Jun-Sep	
<i>Festuca ovina</i>	Sheep's Fescue	Green/Light Brown	May-Jul	
<i>Festuca rubra</i>	Red Fescue	Green/Yellow/Reddish	Apr-Sep	
<i>Fragaria vesca</i>	Wild Strawberry	White	Apr-Jul	
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-Bill	Purple	Apr-Oct	
<i>Geranium sanguineum</i>	Bloody Cranesbill	Purple	Jun-Jul	
<i>Lychnis flos-cuculi</i>	Ragged Robin	Pink	May-Aug	
<i>Oenothera stricta</i>	Fragrant Evening Primrose	Pale Yellow (flowers in low light)	May-Sep	
<i>Origanum vulgare</i>	Wild Marjoram	Purple/Pink	Jul-Sep	
<i>Potentilla argentea</i>	Hoary Cinquefoil	Yellow	May-Aug	
<i>Potentilla reptans</i>	Creeping Cinquefoil,	Yellow	Jun-Sep	
<i>Potentilla rupestris</i>	Rock Cinquefoil	White	Jun-Aug	
<i>Primula veris</i>	Cowslip	Yellow	Apr-May	
<i>Prunella vulgaris</i>	Selfheal	Purple	Jun-Oct	
<i>Saponaria officinalis</i>	Soapwort	Light Pink	Jul-Sep	
<i>Scabiosa columbaria</i>	Small Scabious	Blue	Jul-Sep	
<i>Sedum rupestre</i>	Reflexed Stonecrop	Yellow	Jun-Aug	
<i>Silene latifolia subsp. alba</i>	White Campion	White	May-Oct	
<i>Stachys officinalis</i>	Betony	Purple	Jul-Sep	
<i>Teucrium scorodonia</i>	Wood Sage	Green	Jul-Sep	
<i>Viola tricolor</i>	Wild Pansy	Purple	Apr-Sep	
<i>Glechoma hederacea</i>	Ground Ivy	Purple	Mar-May	
<i>Primula vulgaris</i>	Primrose	Yellow	Mar-Jun	
<i>Viola riviniana</i>	Dog Violet	Purple	May-Oct	



# BauderGREEN XF 301 and SB Sedum Blanket

## Vegetation for BauderEXTENSIVE LIGHTWEIGHTsedum and SEDUMsubstrate systems

There are two types of Bauder sedum vegetation blankets that will provide instant greening to a roof.

The blankets are typically grown for a year prior to installation. This reduces rooftop establishment time and ensures the vegetation is mature enough to withstand the lifting, transportation, and relaying process.

The blankets achieve 80%+ vegetation coverage (typically 90%+). Since they are grown outside, the blankets will have a small amount of grass and moss within them. The correct establishment and maintenance of the blanket will reduce the weed species and allow the sedum to flourish.

### BauderEXTENSIVE LIGHTWEIGHTsedum

BauderGREEN XF 301 is a specialist lightweight product that enables sedum to thrive on structures where their lightweight construction prevents other deeper substrate-based systems being installed. The sedum layer has a saturated weight of less than 44 kg/m<sup>2</sup>.

To enable XF 301 sedum to be installed on pitches up to 25 degrees, Bauder supplies a retention strip to stabilise the blanket on the slope. Please contact Bauder for pitches greater than 25 degrees.

### BauderEXTENSIVE SEDUMsubstrate

BauderGREEN SB substrate sedum blanket is installed on 80 mm of substrate making it GRO-compliant and attracting an Urban Greening Factor (UGF) of 0.7.

The deeper substrate makes the system more drought-tolerant and able to support a wider range of sedum species.



SEDUM SPECIES
<i>Sedum album</i>
<i>Sedum ellacombianum</i>
<i>Sedum floriferum</i>
<i>Sedum hybr.</i> Czar's Gold
<i>Sedum montanum</i>
<i>Sedum kamtchaticum</i>
<i>Sedum oreganum</i>
<i>Sedum pulchellum</i>
<i>Sedum reflexum</i>
<i>Sedum rupestre</i> Angelina
<i>Sedum sexangulare</i>
<i>Sedum spurium</i> 'coccineum' (Purple Carpet)
<i>Sedum spurium</i>
<i>Sedum spurium</i> 'Summer Glory'
<i>Sedum stenopetalum</i>
<i>Sedum stoloniferum</i>
<i>Sedum saxifraga granulata</i>
<i>Sedum hispanicum</i> *

\*The exact percentages of seed and mix of species is reviewed and adjusted prior to each production of sedum blanket.



# BauderGREEN WB Native Wildflower Blanket

## Vegetation blanket for BauderEXTENSIVE PLANTsubstrate system

Suited to extensive, biodiverse and wildflower green roofs to give a long flowering season.

A British-grown vegetation blanket designed for use on green roofs, containing a broad mix of 38 British native wildflower species, herbs and grasses that are included on most Biodiversity Action Plan (BAP) lists. The vegetation is grown in lightweight substrate on a coir carrier that is 100% biodegradable. The natural fibres of the coir carrier promote the rapid rooting of the blanket into the substrate below.

The broad mix of species is specifically selected to meet the individual rooftop conditions as not all species will flourish in the challenging conditions found at the roof level. The pre-grown vegetation speeds up establishment, reducing the risks associated with trying to establish vegetation on the roof. The blanket meets GRO recommendations.



WILDFLOWER SPECIES	
Scientific name	Common name
<i>Achillea millefolium</i>	Yarrow
<i>Agrimonia eupatoria</i>	Agrimony
<i>Aquilegia vulgaris</i>	Columbine
<i>Bellis perennis</i>	Daisy
<i>Campanula glomerata</i>	Bellflower; Clustered
<i>Campanula rotundifolia</i>	Harebell
<i>Centaurea cyanus</i>	Cornflower
<i>Centaurea nigra</i>	Knapweed; Common
<i>Chicorium intybus</i>	Chicory
<i>Clinipodium vulgare</i>	Basil; Wild
<i>Daucus carota</i> Carrot;	Wild
<i>Dianthus deltoides</i>	Pink; Maiden
<i>Dipsacus fullonum</i>	Teasel
<i>Echium vulgare</i>	Viper's-bugloss
<i>Feoniculum vulgare</i>	Fennel
<i>Geranium pratense</i>	Crane's-bill; Meadow
<i>Linaria vulgaris</i>	Toadflax; Common
<i>Lotus corniculatus</i>	Bird's-foot trefoil; Common
<i>Lythrum salicaria</i>	Purple; Loosestrife
<i>Malva moscata</i>	Mallow; Musk
<i>Origanum vulgare</i>	Marjoram; Wild
<i>Papaver rhoeas</i>	Poppy; Field or Common
<i>Pilosella aurantiaca</i>	Fox-and-cubs
<i>Plantago media</i>	Hoary plantain
<i>Primula veris</i>	Cowslip
<i>Primula vulgaris</i>	Primrose
<i>Ranunculus acris</i>	Buttercup; Meadow
<i>Rumex acetosa</i>	Sorrel; Common
<i>Salvia verbenaca</i>	Clary; Wild
<i>Scabiosa columbaria</i> Scabious;	Small
<i>Scorzoneroide autumnalis</i> Hawkbit;	Autumn
<i>Silene dioica</i> Campion;	Red
<i>Silene flos-cuculi</i>	Ragged-robin
<i>Silene uniflora</i> Campion;	White
<i>Succisa pratensis</i>	Devil's-bit scabious
<i>Tanacetum vulgare</i>	Tansy
<i>Thymus polytrichus</i>	Thyme; Wild
<i>Trifolium pratense</i>	Clover; Red
<i>Viola riviniana</i>	Common dog violet
<i>Viola tricolor</i>	Pansy; Wild or Heartsease
Grass species	
<i>Festuca ovina</i>	Sheep Fescue
<i>Festuca rubra</i>	Slender Creeping Red Fescue
<i>Briza media</i>	Quaking-grass
<i>Hordeum brachyantherum</i>	Barley; Meadow





**UNITED KINGDOM**

Bauder Limited  
70 Landseer Road, Ipswich, Suffolk  
IP3 0DH, England  
**T:** +44 (0)1473 257671  
**E:** [info@bauder.co.uk](mailto:info@bauder.co.uk)  
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**IRELAND**

Bauder Limited  
O'Duffy Centre, Carrickmacross,  
Co. Monaghan, Ireland  
**T:** +353 (0)42 9692 333  
**E:** [info@bauder.ie](mailto:info@bauder.ie)  
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