

BAUDER FLORA 5 SEED MIX

Urban

The Bauder Flora 5 Seed Mix is a blend of seed, tackifier and additives developed to meet the needs of exposed and dry rooftop conditions in inner city locations, delivering maximum biodiversity enhancements for BREEAM. Where planning decisions in urban areas are required to acknowledge the

Biodiversity Action Plan (BAP) priority species, this blend of flora is particularly advantageous.

The multiplicity of wildflowers within the seed mix provide; a nectar and pollen rich habitat for priority pollinators, larval food plants for butterflies and a foraging habitat for birds.



Mix Details:

- **UK Native British Provenance Seed Mix (certification on request with exception of Sedum, Red Valerian and Evening Primrose species)**
- **38 species including:**
 - 28 wildflowers
 - 6 annuals
 - 2 sedge and grasses
 - 2 sedum species
- **34 wildflowers classed as RHS Perfect for Pollinator.s**
- 9 butterfly and moth larval food plants
- Mix percentages; 80% perennial wildflowers, 10% annuals and 10% grasses



Key Specification Features

- Suitable for urban areas and high rise inner city locations.
- Lengthy flowering season – April to October.
- Contains all the species listed in the 'London Seed Mix'.
- Designed to deliver maximum biodiversity credits for BREEAM.
- Suited to dry conditions with sedum species and drought tolerant wildflowers.
- Species include Red Valerian, a priority species for London, and five annuals to give first year colour.

Ecological Value

The Bauder Flora 5 Seed Mix has a high diversity of wildflower species selected to provide rich nectar sources over a long flowering period on dry roof locations. Plants with long flower tubes, such as *Wild Red Clover* and *Vetch* species, deliver valuable nectar sources for long-tongued bumblebee species, including London priority species the Brown-banded Carder Bee. The mix also comprises larval food plants for priority butterfly species including *Kidney Vetch* for the *Small Blue* and *Red Fescue* for the *Marbled White*.

Plant species of declining chalk grassland, a priority habitat in many BAPs, are present and include *Quaking Grass* and *Wild Marjoram*. The seeds of *Black Knapweed*, *Wild Teasel* and *Common Toadflax* offer food sources for birds and overwintering sites for invertebrates. The selected plant species are typical of open mosaic habitat and therefore in combination with mounded bare areas of substrate will provide the *Black Redstart* with a foraging habitat.

Red Valerian and *Evening Primrose* are two non-native species included in the mix that are naturalised within the London flora and are a good nectar source for foraging moths. The mix also contains native or naturalised sedums that provide evergreen structure in the winter and can support specialist invertebrates, such as the notable bug species *Chlamydatus Evanescens*.

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Establishment and Growth

Typically, the Bauder Flora 5 Seed Mix delivers a long flowering period from April to October with Red Valerian spanning the whole flowering period and Knapweed and Scabious providing nectar at the end of the season. A mixture of annuals, biennials and grasses give cover and colour in the first season allowing time for the slower growing perennials to establish in later years. The mix has been specified for arid conditions in urban areas with sedum species and drought tolerant wildflowers. Plants were chosen with a variety of heights to provide structure for wildlife on the roof. The seed should be sown on to Bauder (FLL Compliant) Biodiverse substrate of varying depths mounded from a minimum depth of 100mm to 150mm.

Green roofs in urban areas are exposed environments, subject to wind erosion therefore the mix contains pioneer and ephemeral species such as annuals, biennials and short perennials, which establish quickly from seed and help to stabilise the substrate and prevent wind erosion prior to perennial root systems getting established. A small percentage (typically < 10%) of the mix contains non-aggressive grass species, which will also help to establish and stabilise the substrate as well as attract priority butterfly species.

The seed source is British Provenance with the exception of Sedum, Red Valerian and Evening Primrose species. Suppliers are signatories to the Flora Locale code of conduct for growers and suppliers



(Flora locale is an independent charity. Promoting and advancing the conservation and enhancement of native wild plant populations)

Bauder's Unique Additive Mix

To maximise the germination and establishment of the seed, Bauder has developed a unique blend of seed, adhesive, organic nutrients and mycorrhizal fungi.

- 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.
- A small quantity of organic slow release fertiliser gives the seed a gentle boost as it establishes.
- Mycorrhizal fungi increases the root surface area helping the transfer of water and nutrients from the substrate to the developing root system of the plant, enabling the plants to establish quickly.

The seed mix and additives are combined with a bulking agent, which enable the correct sowing rate to be achieved.



BAUDER

UNITED KINGDOM

Bauder Limited

70 Landseer Road, Ipswich, Suffolk IP3 0DH, England

T: +44 (0)1473 257671 E: info@bauder.co.uk

bauder.co.uk

IRELAND

Bauder Limited

O'Duffy Centre, Carrickmacross, Co. Monaghan, Ireland

T: +353 (0)42 9692 333 E: info@bauder.ie

bauder.ie

Specification Support



Specification downloads:

www.bauder.co.uk/technical-centre



Telephone helpline:

0845 271 8800