



VEGETATION FOR  
EXTENSIVE & BIODIVERSE  
GREEN ROOFS



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# SEDUM VEGETATION BLANKET XF301

The Bauder XF301 is our sedum blanket system featuring up to 11 species of sedums with some mosses and grasses to ensure plant diversity. All plants are selected to suit our climate and keep weight and maintenance to a minimum. The sedum blankets provide 90% ground coverage at installation.

Bauder has approximately 150,000m<sup>2</sup> under cultivation to cater for the ever increasing annual demand for Bauder sedum green roofs.

## KEY FEATURES

- Most lightweight green roof system available, making it ideal for retrofitting on a building or on new build construction.
- Delivers instant greening of a roof with sedums and other species all able to flourish in our climate
- Cost effective
- Developed to meet FLL guidelines
- Cradle-to-Cradle certification
- Sedum blankets are grown on our farm in the UK and delivered to site within 24 hours of harvesting
- Carry fire ratings of EXT.FAA and EXT.SAA

The Bauder Xero Flor XF301 Sedum Blanket is a very lightweight and cost-effective way of quickly delivering an established sedum vegetation finish onto a flat roof.

The core of the multifunctional Xero Flor XF301 Sedum Blanket is its patented carrier, which holds both the substrate and vegetation firmly in place whilst also providing the water retention and drainage characteristics necessary to keep the vegetation healthy. The sedum vegetation provides a dense foliage that delivers colour and interest through the spring and early summer.

For speed of installation the product can be supplied in 10m rolls for crane-assisted positioning, and is also available in 2 x 1m roll sizes to allow for manual handling on smaller projects.

For further information on the Bauder XF301 sedum blanket green roof system please see the Bauder Flat Roof Solutions brochure or visit [www.bauder.co.uk](http://www.bauder.co.uk) and click on the green roof section.

## BAUDER SEDUM BLANKET XF301 INDICATIVE PLANT LIST

Species
<i>Sedum acre</i>
<i>Sedum album</i> - 'bella d' Inverno
<i>Sedum album</i> - coral carpet
<i>Sedum ewersie</i>
<i>Sedum Kamtschaticum</i> - ellacombianum
<i>Sedum Kamtschaticum</i> - weinstephaner gold
<i>Sedum montanum orientale</i>
<i>Sedum pulchellum</i>
<i>Sedum rupestri</i> (reflexum)
<i>Sedum sexangulare</i>
<i>Sedum spurium</i> - mesemlanthemum = Delosferma
<i>Sedum spurium</i> - mesemlanthemum = hallii
<i>Sedum verticillatum</i>



Royal Opera House  
Production Workshop



Mount St. Vincent  
Co Limerick

# INSTALLATION AND MAINTENANCE

Key to the success of any green roof installation is the care taken of the vegetation at the time of installation and immediately thereafter to ensure that it establishes in its new location and will require only minimal maintenance to keep it in good condition in the future.

Whilst every installation will have a marginally different requirement, dependent upon a broad range of factors, the following information is

intended to provide a general insight into what will be needed in most situations. For further information please see the green roof section of our website, [bauder.co.uk](http://bauder.co.uk), for our guides on Bauder Installation, Maintenance and Watering appropriate to the vegetation and system.

## BAUDER VEGETATION BLANKETS (XF301, XF300 & XF118)

### Harvesting and Delivery to Site

The Bauder vegetation blankets are harvested and transported to site within 24 hours and so deliveries to a building project only occur on Tuesday-Friday.

### On-site Requirements

A water supply at roof top level is required during the installation of any vegetation blanket. Once an area of installation is completed the vegetation blanket is heavily watered to ensure that the plants and substrate are saturated before moving on to the next area.

The installation pattern is quite straightforward and will be devised by the Bauder Approved Contractor to suit the roof shape, orientation and pitch. Upon completion of the installation, Bauder organic slow release fertiliser is applied and watered-in to assist the plants' establishment and providing them with nutrients to promote growth.

### Vegetation Barriers

Vegetation barriers are created and installed by using 20 - 40mm round washed pebbles at the perimeters, upstands and abutments and provides protection against wind uplift at the edges of the blanket as well as rapid surface drainage during heavy rainfall.

### XF301 Combination Sedum Blanket

The XF301 Sedum Blanket already incorporates the depth of substrate required in to which the plants are established.

### XF300 Sedum Blanket and XF118 Wildflower Blanket

These vegetation blankets are installed over a depth of substrate which will be levelled and watered to the point of saturation before the blankets are positioned. If large areas are to be installed then watering and installation is done in sections of as much area as can be completed within 4 hours.

### Post Installation Watering Requirements

The vegetation blankets will require a post-installation irrigation period of 4 weeks for sedums and 10 weeks for wildflowers where the blankets should not be allowed to dry out. The amount of watering the plants will require depends upon the location of the building, the roof type and degree of pitch, local climate and exposure levels and the type of plants in the vegetation blanket.

It may also be necessary to irrigate for longer than this if installation is followed by a warm, dry spell of weather. To encourage the plants to survive without topical irrigation and harden them ready to survive the winter it is important to start cutting back watering from early September. The maintenance requirement in the years following installation will depend upon the weather experienced through the winter and early spring of each year and should follow our standard extensive green roof maintenance guidelines, excepting where weather conditions have caused significant damage to the vegetation.



▲ Rolls being harvested and prepared for delivery.



▲ Long length rolls being craned into position and installed.



▲ Bauder SS40 Drainage and Edge Trim



# INSTALLATION AND MAINTENANCE

## KS PLUS SEED MIXTURE

The seeds are pre-mixed with nutrients, fertiliser and a tackifying carrier which bulks out the volume to aid installation whilst also providing the ideal nutritional background to support initial establishment.

### Substrate Requirements

The seeds require sufficient depth of Bauder extensive substrate to support the roots of the plants once they are fully established. This is a lightweight growing medium that is manufactured to FLL standards which is then top-dressed with Bauder Seed Bed Substrate, which has a finer consistency and higher level of organic matter to enable the seeds to germinate.

The substrate is watered sufficiently, almost to saturation, before the seed mix is broadcast on the roof.

### Sowing Rate

The seed mix has a coverage rate of 1Kg to 10m<sup>2</sup> of roof area and is provided in either 2Kg or 5Kg bags. The seeds will only be sown in fair weather, as strong winds will disperse the seeds before they reach the substrate.

Even coverage is gained by sowing 50% of the mix longitudinally down the roof, and then over-sown at 90° with the remainder of the seed mix.

Best results are achieved from spring and autumn sowings; however the mix can be sown throughout the year.

### Establishment

Due to the components incorporated within the seed mix there is no requirement for establishment maintenance. It is advisable to ensure that the roof surface is not trafficked other than for essential roof maintenance for the first 12 months after sowing. Bare patches can be over-sown if considered necessary, but will develop vegetative cover over time in any case. The anticipated period of establishment to provide a good vegetated cover is at least two years.



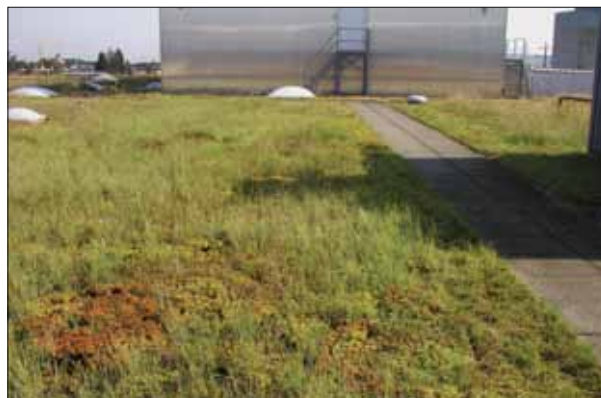
▲ After about 8 weeks



▲ At 12 - 16 weeks



▲ The second growing season



▲ After a few years



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