

EXTENSIVE SEDUM BLANKET ROOFS



TECHNICAL CREDENTIALS

BRITISH AND EUROPEAN STANDARDS

The Bauder XF301 sedum blanket and green roof waterproofing systems are created from products tested to meet by the FLL guidelines..

RAIN NOISE

The Bauder Xero Flor Sedum Blanket Green Roof System on a metal deck has been tested in accordance with BS EN ISO 140 - 18: 2006 to determine the sound intensity level within the building during heavy

rainfall. A figure of 33.5 dB was achieved, which is almost certainly sufficient to gain a credit under Point 5 of section Hea 13 of BREEM Education 2008 for most projects.

FIRE RATING

The Bauder XF301 sedum blanket has an EXT. FAA and EXT. S.AA rating awarded to the entire system for zero spread of flame and no fire penetration. Tested to BS 476 Part 3 External Fire Exposure to Roofs as covered by European Standard DD ENV 1187:2002



**WINNER FRA AWARDS 2009
BEST NEW BUILD GREEN ROOF**

The Waterfront Building, University Campus Suffolk was conceived as a bold statement of intent to the academic community to confirm Ipswich University as a serious candidate amongst those seeking academic excellence. Constructed on a site close to the heart of Ipswich, the desire to give a softer look to the highly visible sloped roof line of the structure was resolved by the inclusion of an extensive green roof. Despite the slope of 18°, the sedum blanket was quickly and easily installed and the vegetation is kept in good condition by the inclusion of an irrigation system.



The Waterfront Building,
University Campus Suffolk

Extensive Sedum Blanket Roofs

Bauder Xero Flor extensive green roof systems are constructed using a low maintenance sedum planting (succulents) that provide excellent cover and increased protection to the waterproofing system.

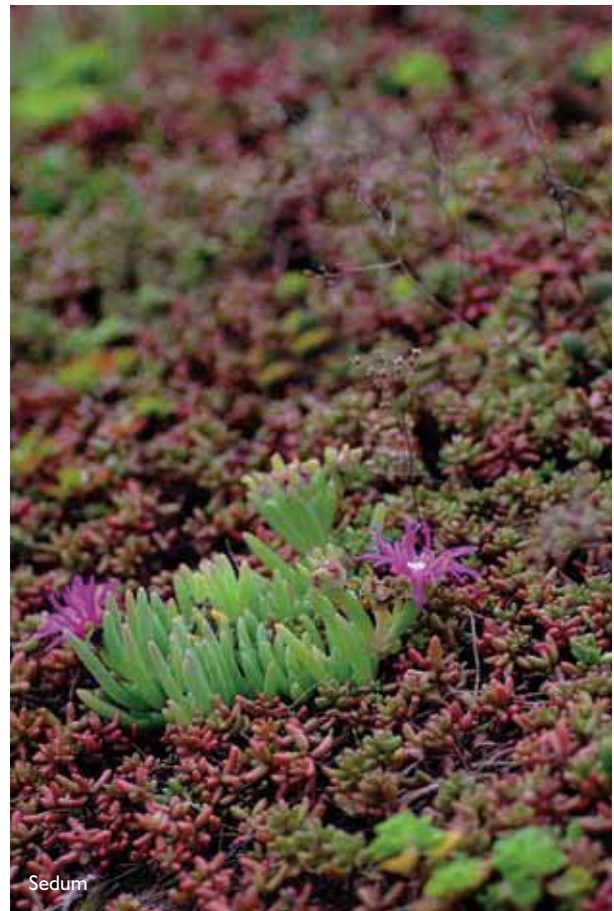
The plants are grown on a 'blanket' that is harvested like turf and installed by rolling out on top of the waterproofing and any other landscaping components required. The blankets are very lightweight, easy to maintain and provide instant greening to the roof.

The Xero Flor sedum blanket is a very versatile green roof system and is suitable for both new build and refurbishment projects.

KEY FEATURES

These features are in addition to those associated with all green roofs, see pages 108 to 109.

- The most lightweight green roof system available, making it ideal for retrofitting or refurbishment projects.
- Delivers instant greening of a roof with sedums and other species selected to flourish in our climate.
- Ideal solution where a green roof needs to be specified to meet planning requirements.
- Cost effective.
- Sedum blankets are grown on our farm in the UK and delivered to site within 24 hours of harvesting.



Sedum

All Bauder Green Roof Systems comply with FLL Guidelines

Technical Guide Pages 135 - 181

SPECIFICATION SUPPORT



CAD DRAWINGS
www.bauder.co.uk/technical-centre



NBS SPECIFICATIONS
www.bauder.co.uk/technical-centre



TECHNICAL HELPLINE
T: +44 (0)1473 257671
E: technical@bauder.co.uk



PROJECTS PORTFOLIO
E: marketing@bauder.co.uk
W: www.bauder.co.uk/media-centre

SEDUM BLANKET

Bauder XF301 is our highly successful sedum blanket system featuring up to 11 species of sedum together with some mosses and grasses which ensures plant diversity regardless of location, all selected to suit our climate and keep weight and maintenance to a minimum.

The multi-functional sedum blanket combines the vegetation support layer with a moisture retention fleece to provide the perfect base for all roofing scenarios with a labour efficient installation.

Our patented geo-textile carrier fleece with its ultraviolet resistant nylon loops provide a support base for the specially developed substrate growing medium and gives stability to the established vegetation whether on a low pitch flat roof or a 25° slope.

The pre-attached fleece is a unique feature of our sedum blankets, retaining moisture after rainfall thus allowing the plants to take up the water



for future storage. The sedums are grown to maturity before being available for harvesting ensuring that they acclimatise quickly to their new rooftop location.

Bauder has been growing Xero Flor vegetation blankets in the United Kingdom since 1997; and currently cultivates 150,000 square metres a year to cater for the ever increasing demand. We are able to harvest the sedum blankets and deliver to site within 24 hours.



1 Bauder XF301 Sedum Blanket is a pre-cultivated vegetation blanket on a patented nylon loop and geo-textile base carrier with special substrate and a pre-attached integral 8 mm moisture retention fleece.

2 Bauder SDF Mat is a multifunctional drainage, filtration and protection layer manufactured from ultraviolet resistant nylon woven loops which are thermally bonded to geo-textile filter fleece facings.



▲ Long length rolls being craned into position and installed.

- Cultivated by the UK's leading specialists.
- Proven range of green roof systems.
- Wide existing portfolio of projects in the UK and Republic of Ireland.
- Delivery to site within 24 hours of harvesting (not imported).
- Fully trained and approved installers.
- Free monitoring and support through to final establishment.
- Free from foreign insect or plant species.



PROJECTS



St. David's Tourist Information Centre
Haverfordwest, Dyfed



Mount St. Vincent
Co Limerick



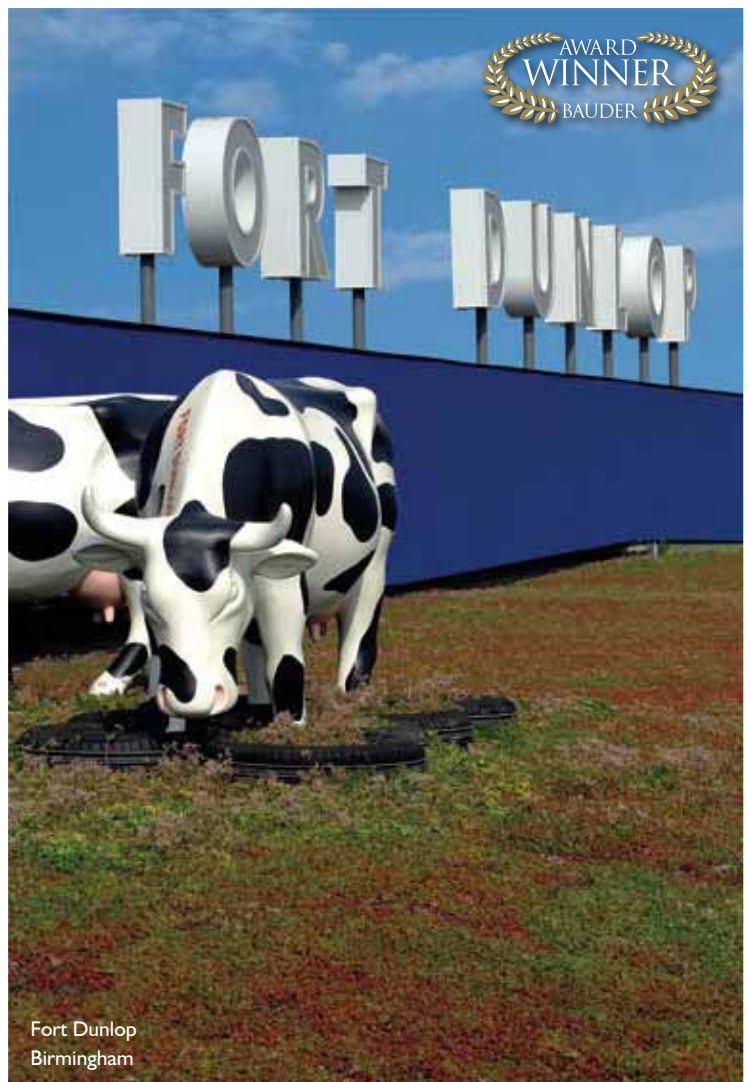
Kenfig Nature Reserve
Kenfig, Wales



Park Lane High School
Halifax



Chelsea FC Training Ground
Cobham, Surrey



Fort Dunlop
Birmingham