

TECHNICAL SYSTEM SUMMARY

BIODIVERSITY GREEN ROOF SYSTEM

EXTENSIVE GREEN ROOF SOLUTION

This specific type of green, brown or 'living' roof typically either tries to replicate as closely as is practical the ecological environment of the site where construction has taken place or sets out to create a natural habitat to support a variety of plants, birds, animals and invertebrates. A comprehensive range of guarantees are available for this system.

Vegetation chosen to replicate a natural environment to support the local flora and fauna or a specific eco system.

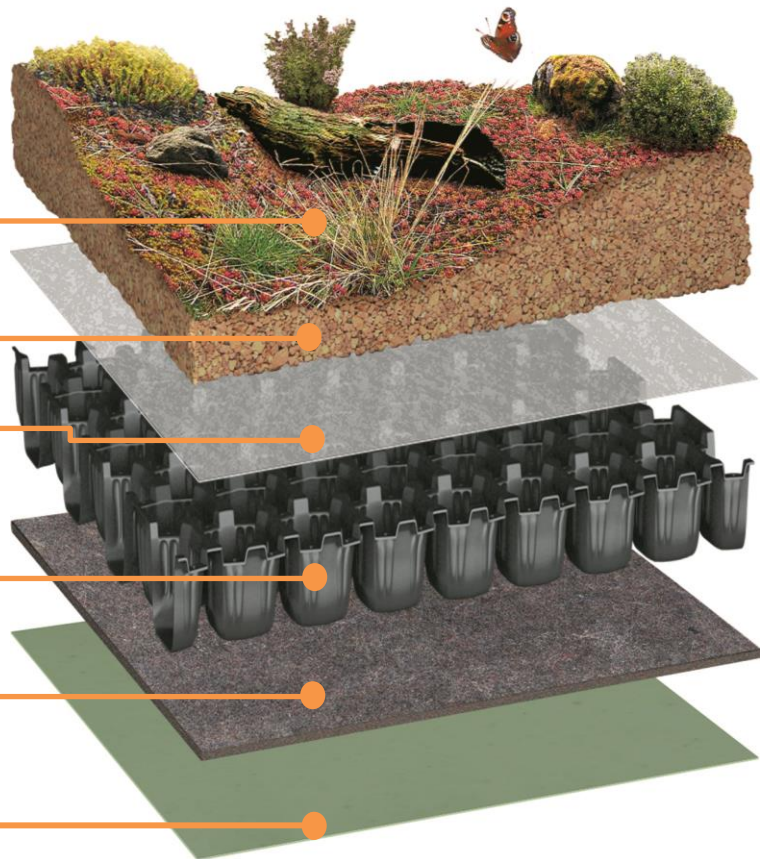
Bauder Extensive Substrate is a lightweight growing material that is manufactured to meet FLL guidelines.

Bauder Filter Fleece is a filtration layer that prevents substrate fines from washing into the drainage and water storage layer.

DSE 40 is a lightweight water storage and drainage layer made of HDPE, 40mm thick.

Bauder FSM600 Protection Mat is a polyester and polypropylene fibre mix.

Bauder PE Foil Separation Layer is a polyethylene foil separation and slip layer manufactured from recycled granules.



When to Specify

Biodiversity roofs can be created on both new build construction and refurbishment projects. The vegetation selected should be suitable to support the differing biodiversity species the roof is designed for.

Waterproofing Options

There are different waterproofing systems available to suit the individual project criteria for the green roof, its landscaping options, weight loading limits, performance and durability requirements. Please contact us so that a technical advisor can take you through the system best suited to your project.

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Weight Loading

Based on 100mm substrate depth



Product	Thickness (mm)	Saturated Weight (Kg/m ²)
Vegetation *	N/A	N/A
Bauder Extensive Substrate	100.0 (varies)	120.0
Bauder Filter Fleece	1.0	0.125
DSE40 Drainage Layer	40.0	15.3
Bauder FSM600 Protection Mat	4.0	0.6
Bauder PE Foil Separation Layer	0.2	0.190
Totals	145.20	136.215

* Seeded or plug plant vegetation chosen to replicate a natural environment to support the local flora and fauna or a specific eco system.