

BauderBIODIVERSE green roof

Bauder seed and plug green roof system

The BauderBIODIVERSE system produces a matrix of habitats, undulating substrate depths and a range of seed, plugs and surface finishes producing a variety of micro habitats.

The BauderGREEN SUB-BM substrate is fully GRO and FLL compliant. This system is suitable for both new build construction and refurbishment applications on $\leq 5^\circ$ pitch.

	Function	Product name	Thickness (mm)	Weight (kg/m ²)	Indicative biodiverse green roof system plugs and seed
1	Native Wildflower vegetation*	BauderGREEN flora seed mixes and Plugs	Nominal	Nominal	
2	Growing medium	BauderGREEN SUB-BM UK biodiverse substrate	80-150	96-180	
3	Filtration layer	FV 125 filter fleece	1	0.13	
4	Drainage Layer	DSE 40 drainage board	40	15.3	
5	Protection Layer	FSM 600 protection mat	4	3.6	
6	Underlying Waterproofing	Bauder's underlying waterproofing system	Not included	Not included	
System build-up (saturated)			125-195	115-199	
*Bauder supply various green roof systems to meet required biodiverse targets and other green roof requirements					
In-depth and up-to-date product specific technical data is available for each element within a system. Download from our website bauder.co.uk/technical-centre					
Please note: All green roofs require water during times of drought. Bauder recommend that the watering and maintenance of this roof is considered and addressed during its design.					

System summary



Characteristics of the system

- Ideally suited to biodiverse green roofs which habitat creation is more important than aesthetics.
- Bauder's range of seed and plugs enable the establishment of particular habitats.
- 100% biodegradable blanket offers the most effective way to establish a biodiverse roof.
- Typically biodiverse roofs are enhanced by additional features such as dead wood log and stone piles, areas of sand, dew ponds etc. Bauder specification are approved by Buglife (the invertebrate charity).
- BauderGREEN SUB-BM biodiverse substrate is a lightweight growing medium for biodiverse green roof planting schemes manufactured to GRO and FLL guidelines and tested to BS8616 (Ideally substrate depths should be 100mm+ to give greater drought resistance).
- DSE 40 is a lightweight water storage and drainage layer made of 100% recycled HDPE.
- FSM 600 is 100% recycled Polyester and polypropylene fibre mix protection layer to prevent mechanical damage to the underlying waterproofing.
- System can be laid on any of the various Bauder waterproofing solutions: Bituminous Membrane, Hot Melt, Single-ply or Cold applied liquid systems.
- Comprehensive guarantee packages to meet project requirements. Bauder's "Green Roof Promise" is available for this system.

Accreditations and approvals



System variations are available to the specifier so that a tailored solution meets the needs of the building. The selection of products should be confirmed with our technical department to ensure suitability for the individual construction requirements of the flat roof.

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OPTIONS AVAILABLE

Bauder supply a number of green roof solutions for flat and pitched roofs. Including sedum, wildflower and biodiverse vegetation. Further details can be found on our website: <https://www.bauder.co.uk/technical-centre/specification-resources/green-roof-systems>

In depth and up-to-date product specific technical data is available for each component within a system. Download from: [bauder.co.uk/technical-centre](https://www.bauder.co.uk/technical-centre)

System fire performance

The system arrangements tested, verified, and that achieve industry standards for fire performance are defined in the relevant BBA certificate. Please ensure you are aware of which permutations currently have a stated performance against fire by viewing and downloading the BBA certificate from our website [bauder.co.uk/technical-centre](https://www.bauder.co.uk/technical-centre)

Bauder continually tests its systems for fire performance and so if the permutation of products you are specifying is not stated in our latest BBA certificate please contact technical@bauder.co.uk for clarification.