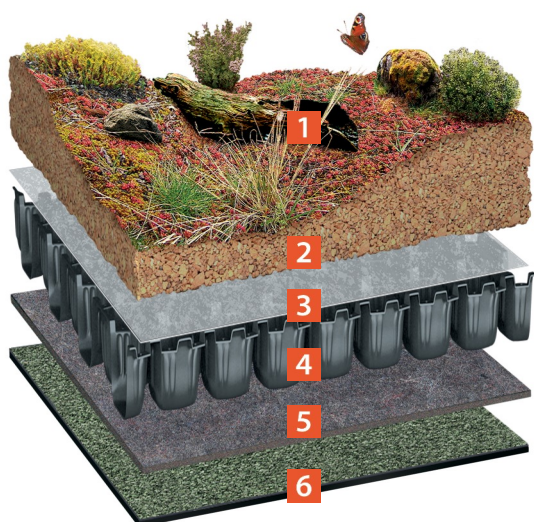


SYSTEM SUMMARY

Bauder Extensive Biodiverse Green Roof Solution

Biodiverse green roof system

This specific type of biodiverse (or brown roof) is designed to incorporate as many types of habitat as possible giving a home and food source to invertebrates and pollinators which in turn are food for many birds and bat species. The roof is typically sown or plug planted with a very broad range of plant species. Additional habitat features such as dead wood, stone/sand piles and dew ponds can also be incorporated into the design. The Bauder "Green Roof Promise" is available for this system.



Product	Description	thickness	Saturated weight
1 Vegetation *	Typically Bauder's range of native seed and plug mixes are used in combination with other habitat features.	Thickness and weight varies with season	
2 Bauder Biodiverse Substrate	Bauder's Biodiverse substrate is a lightweight growing medium tested to BS 8616 and designed to meet GRO and FLL guidelines, these are often contoured to give differing habitats	Varies typically 100-150mm	120-180 Kg/m ²
3 Bauder Filter Fleece	Filtration layer that prevents substrate fines from washing into the drainage and water storage layer.	1mm	0.13Kg/m ²
4 Bauder DSE 40 Drainage Layer	DSE40 is a 40mm drainage board, holding 13.5 ltr/m ² . The light weight board is made from 100% Recycled	40mm	15.3Kg/m ² (water filled)
5 Bauder FSM 600 Protection Layer	Is 100% recycled Polyester and polypropylene fibre mix protection layer to prevent mechanical damage to the underlying waterproofing.	4mm	3.6Kg/m ²
6 Bauder's Underlying Waterproofing System	Options for Bituminous Membrane, Hot Melt, Single-ply or Cold applied liquid systems.	Not Included	Not Included
Green Roof System Build up (fully saturated, excludes waterproofing & vegetation)		145-195 mm	139-189 Kg/m²

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.

*Bauder also produce a biodiverse wildflower blanket solution

Where to specify:

Primarily used when Biodiversity and habitat creation are the primary goals, such as for BREEAM or to comply with a local planning requirement.

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