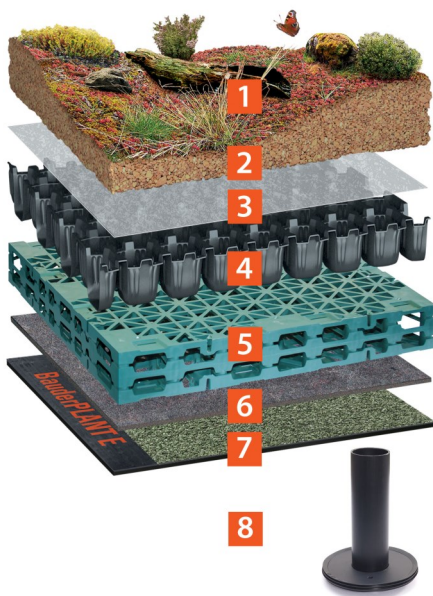


SYSTEM SUMMARY

Bauder Extensive Biodiverse Green Roof Solution

Biodiverse green roof over blue 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 usually contoured	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 HDPE	40mm	15.3Kg/m ² (water filled)
5 Bauder Attenuation Cell 100	A high strength void element which is 95%+ void (holding 95 litres per m ²). Allowing slow discharge through the flow restrictor (8) fitted in the outlet.	100mm	8.06Kg/m ²
6 Bauder FSM600 Protection layer	Polyester and polypropylene fibre mix protection layer to prevent mechanical damage to the underlying waterproofing.	4mm	3.6Kg/m ²
7 Bauder Waterproofing System	Bauder's BTGRS Bituminous Membrane or Bauder Holt-melt Bituminous Waterproofing system.	N/A	N/A
8 Bauder Blue Roof Flow Restrictor	A combined restrictor plate and overflow, enabling discharge flow rates to be matched to SUDS requirements.	N/A	N/A
Green Roof System Build Up (fully saturated, excludes waterproofing & vegetation)		245-295 mm	147-207 Kg/m²

*Bauder also produce a biodiverse wildflower blanket solution

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.

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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