

BauderEXTENSIVE PLANTsubstrate

Seeded native wildflower system

The BauderEXTENSIVE PLANTsubstrate seeded system uses Bauder's flora seed mixes to establish the vegetation on a green roof. Bauder have 5 different native wildflower mixes giving various habitat creation options which are significantly cheaper and easier to install than a vegetation blanket or plugged solution. It allows the establishment of vegetation deliberately designed to give a long flowering season, it 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 extensive green roof system - seeded
1	Wildflower seed*	BauderGREEN flora seed mixes. (5 options)	Height and weight varies with season		
2	Growing medium	BauderGREEN SUB-BM UK biodiverse substrate	100+	120	
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)			145+	139	
*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 native biodiverse green roofs where habitat creation is the primary goal and a more natural finish is required.
- Bauder Flora seed mixes Include: a shade tolerant mix, Urban mix, Chalk grassland mix, Coastal mix and Scottish mix. The mixes can be combined with plugs to introduce key species to the design.
- All seed mixes are Buglife approved, RHS - Perfect for Pollinators. Seed is collected in line with Flora Locale guidelines.
- The 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.

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.