

## Intensive Green Roof Landscaping

### Intensive Landscape system

The BauderGREEN intensive landscape system enables full landscapes to be created above a waterproof structure. For soft landscapes Bauder’s SUB-IM UK intensive substrate is a non-compacting free draining soil allowing practically limitless landscape variations of lawns, shrubs and trees. The system also enables walkways, paving and terraced areas to be built off the same drainage board.

	Function	Product name	Thickness (mm)	Weight (kg/m <sup>2</sup> )	Indicative intensive soft landscape system
1	Vegetation	Specifically selected for each individual roof, from fine lawns to woody shrubs and trees.	Thickness and weight will vary with chosen planting		
2	Growing medium	BauderGREEN SUB-IM UK Intensive substrate	200+	250+	
3	Filtration layer	FV 125 filter fleece	1	0.13	
4	Drainage Layer	DSE 40 drainage board	40	15.3	
5	Protection Layer	FSM 1100 protection mat	8	7.1	
6	Slip Separation Layer	PE 02 Foil x 2	0.4	0.38	
7	Underlying Waterproofing	Bauder’s underlying waterproofing system	Not included	Not included	
<b>System build-up (saturated)</b>			<b>249+</b>	<b>272+</b>	
*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 <a href="http://bauder.co.uk/technical-centre">bauder.co.uk/technical-centre</a>					
<b>Please note:</b> 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

- A Fully integrated system that enables a single source for all waterproofing and green roof products
- The landscaping system can be used with other Bauder systems such as BioSOLAR and Blue Roof products.
- All green roof components are made from 100% biodegradable blanket offers the most effective way to establish a biodiverse roof.
- The SUB-IM UK Intensive substrate is a lightweight growing medium for roof gardens and landscapes and tested to BS8616 (Normally substrate depths should be 200mm+ to give greater rooting depth)
- DSE 40 is a lightweight water storage and drainage layer made of 100% recycled HDPE.
- FSM 1100 is 100% recycled polyester and polypropylene fibre mix protection layer to prevent mechanical damage to the underlying waterproofing.
- System can be laid on many of the various Bauder waterproofing solutions: Bituminous Membrane, Hot Melt systems.
- Comprehensive system 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 detailed hard and soft landscaping solutions, see other system summaries

<https://www.bauder.co.uk/technical-centre/system-summaries/green-roof-systems>

In-depth and up-to-date product specific technical data is available for each component within a system.

Download from our website [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](mailto:technical@bauder.co.uk) for clarification.