

Extensive Green Roof System

XF 301 lightweight sedum system

Bauder XF 301 Single Layer Sedum System is a lightweight sedum system. Where the roof is laid to a fall of $\geq 2^\circ$ (1:30) the product can be laid directly onto the waterproofing. When laid on flat roofs ($< 2^\circ$), an additional SDF drainage mat (layer 3 below) is fitted. XF 301 also contains a moisture mat which retains up to 5 litres of water/m² which improves drought resistance.

	Function	Product name	Thickness (mm)	Weight (kg/m ²)
1	Vegetation*	BauderGREEN XF 301 Sedum Blanket*	28	44
2	Edge trim	BauderGREEN AL 40 drainage trim	40	Nominal
3	Drainage Mat	BauderGREEN SDF drainage and protection mat	20	0.6
4	Underlying Waterproofing	Bauder's underlying waterproofing system	Not Included	Not Included
System Build-up			48	45
*Bauder supply deeper, substrate base sedum green roofs see SB sedum on Substrate Systems.				
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.				

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Characteristics of the system

- Ideally suited to lightweight wooden roof decks or any building where weight and depth of the green roof system is critical.
- GRO compliant substrate is held within a nylon mesh with attached moisture mat. The sedum blanket is grown for circa 12 months and contains up to 17 species of sedum
- Lightweight drainage layer prevents waterlogging of the sedum plants
- The AL 40 edge trim frames the sedum and prevents wind uplift
- System can be laid on any of the Bauder Waterproofing solutions
- Comprehensive guarantee packages to meet project requirements. Bauder's "Green Roof Promise" is available for this system

System summary



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/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

BauderGREEN XF 301 lightweight sedum system can achieve B_{ROOF} t4 when tested as part of a full Bauder warm roof build-up. The systems tested include BTGRS and Thermofol Single-ply waterproofing systems with 60 to 260mm of PIR insulation. Due to our regular fire testing clients are advised to check with Bauder Technical to confirm the latest details of any other system build-ups tested. The full test results are available on request.

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.