

BauderEXTENSIVE SEDUMsubstrate

SB sedum blanket on substrate system

The BauderEXTENSIVE SEDUMsubstrate system is an ideal product for green roofs. Sedum is both frost resistant and drought tolerant and requires little nutrient and minimal maintenance. Laying Bauder's mature SB sedum blanket on an 80mm bed of BauderGREEN SUB-EM UK extensive substrate gives the system the rooting depth and water retention to make it a very resilient green roof finish. The system is fully GRO and FLL compliant. This system is suitable for both new build construction and refurbishment applications on $\leq 5^\circ$ (1:11) pitch.

| | Function | Product name | Thickness (mm) | Weight (kg/m ²) | Indicative extensive green roof system - sedum |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------|----------------|-----------------------------|------------------------------------------------|
| 1 | *Vegetation Layer | BauderGREEN SB sedum blanket | 28 | 24 | |
| 2 | Growing medium | BauderGREEN SUB-EM UK extensive substrate | 80 | 96 | |
| 3 | Filtration layer | FV 125 filter fleece | 1 | 0.13 | |
| 4 | Drainage Layer | DSE 20 drainage board | 20 | 8.6 | |
| 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) | | | 133 | 132 | |
| *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

- The SB sedum system is ideally suited when creating low maintenance high aesthetic green roofs.
- The sedum species selected for the blanket are alpine succulents, which are very hardy and drought tolerant, making them ideal as a ground cover for green roofs.
- The system complies with all GRO and FLL guidelines.
- The SUB-EM extensive 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 80mm+ to give greater drought resistance).
- DSE 20 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.

Download from: [bauder.co.uk/technical-centre](https://www.bauder.co.uk/technical-centre)

System fire performance

Bauder EXTENSIVE SEDUM substrate system can achieve $B_{ROOF} t4$ when tested as part of a full Bauder warm roof build-up. The systems tested include BTGRS and the green roof system detailed above with 120mm 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.