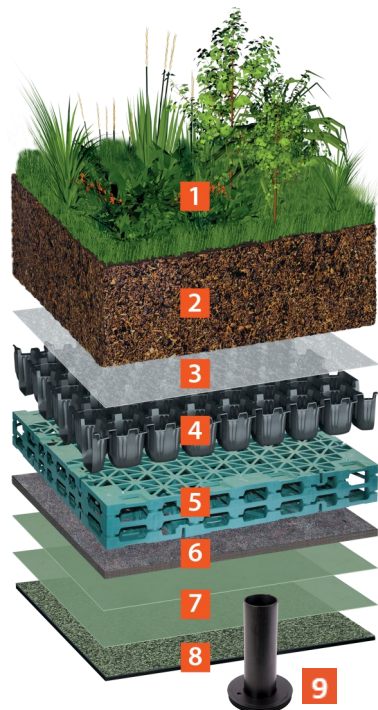


SYSTEM SUMMARY

BauderBLUE STORMcell Intensive Landscape

Intensive Landscaping over a Blue Roof Solution

Intensive landscapes are often specified above blue roofs, the landscaped areas will naturally delay and reduce rain water run-off, this combined with the blue roof void (RWR 100 blue roof attenuation cell) and ST-B or ST-HM blue roof flow restrictors allows precise control of the roofs discharge rate and enable large volumes of water to be attenuated at roof level. The landscape variations are practically limitless for this accessible green roof with options to create a mixture of both hard and soft landscaping. The system enables lawns, shrubs and trees as well as walkways, paving and terraced areas.



Product	Description	Thickness	Saturated weight
1 Intensive Planting	Specifically selected for each individual roof, from fine lawns to woody shrubs and trees.	Specifically selected for each individual roof	
2 SUB-IM UK intensive substrate	Lightweight, man-made intensive substrate suitable to support most vegetation types, including trees, shrubs and herbaceous planting.	200mm+	250Kg/m ² +
3 SV 125 100 filter fleece	Filtration layer that prevents substrate fines from washing into the drainage and water storage layer.	1mm	0.13Kg/m ²
4 DSE 40 drainage board	DSE 40 is a lightweight water storage and drainage layer made of 100% recycled HDPE, 40mm thick.	40mm	15.3Kg/m ² (water filled)
5 RWR 100 attenuation cell	A high strength void element which is 95%+ void. This can hold 95 litres per m ² .	100mm	8.06 kg/m ²
6 FSM 1100 protection layer	Polyester and polypropylene fibre mix protection layer to prevent mechanical damage to the underlying waterproofing.	8mm	7.1Kg/m ²
7 PE 02 x 2 separation and slip layer	Polyethylene foil separation and slip layer manufactured from recycled granules.	0.4mm	0.38kg/m ²
8 Bauder's underlying waterproofing system	Bauder's BTGRS & BTGRS PLUS bituminous membrane or Bauder Hot Melt, bituminous waterproofing system.	N/A	N/A
9 ST-B or ST-HM flow restrictor	A combined restrictor plate and overflow, enabling discharge flow rates to be altered for SUDS requirements.	N/A	N/A
Blue & Green Roof Build up (fully saturated excluding the water held in the RWR 100 blue roof attenuation cell during a rain event and the underlying waterproofing)		349mm +	281Kg/m² +

Note:

Bauder Blue roof systems require bespoke flow rate calculations please contact Bauder's technical department.

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