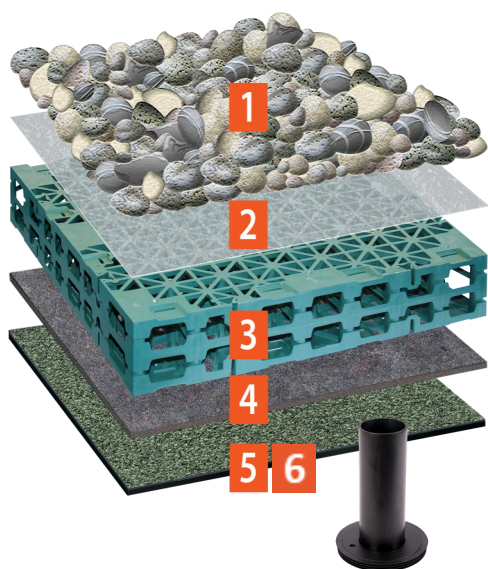


**SYSTEM SUMMARY**

**BauderBLUE STORMcell Ballast Blue Roof**

**Ballasted roof over a blue roof solution**

Best practice requires all blue roof voids to be covered. The lowest cost solution is to lay pebble ballast above the blue roof void layer (RWR 100 attenuation cell). Rain water can then accumulate in the void whilst the ST-B or ST-HM blue roof flow restrictor (fitted at each outlet) allows precise control of the roof's discharge rate and enable large volumes of water to be attenuated at roof level.



Product	Description	Thickness	Weight
1 Rounded Pebbles	A 50mm+ layer of rounded pebble or cobble providing a continuous layer of stone.	50mm +	80Kg +
2 SV 125 100 filter fleece	Filtration layer that prevents dirt and leaves from washing into the drainage and water storage layers.	1mm	0.13Kg/m <sup>2</sup>
3 RWR 100 attenuation cell	A high strength void element which is 95%+ void. This can hold 95 litres per m <sup>2</sup> .	100mm	8.06Kg/m <sup>2</sup>
4 FSM 600 protection layer	Polyester and polypropylene fibre mix protection layer to prevent mechanical damage to the underlying waterproofing.	4mm	3.6Kg/m <sup>2</sup>
5 Bauder's underlying waterproofing system	Bauder's BTRS & BTRS PLUS bituminous membrane or Bauder Hot-Melt bituminous waterproofing system.	N/A	N/A
6 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
<b>Blue Roof Build up (excludes water held within the RWR 100 attenuation cell during rain events and the underlying waterproofing)</b>		<b>155mm +</b>	<b>92Kg/m<sup>2</sup> +</b>

**Note:**

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

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