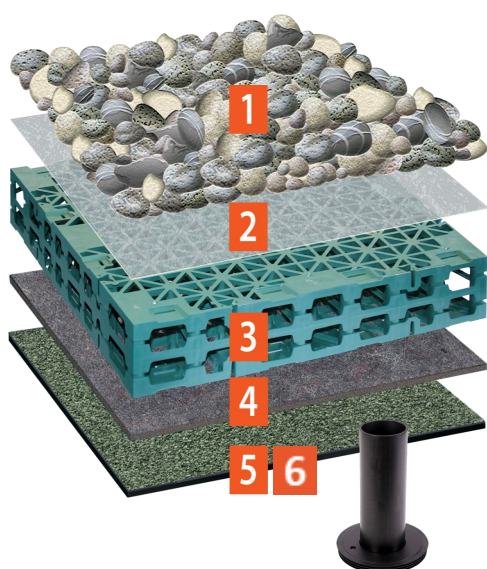


SYSTEM SUMMARY

Bauder Blue Roof—Ballasted System

Blue Ballasted 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 (Bauder's Attenuation Cell 100). Rain water can then accumulate in the void whilst Bauder's unique flow restrictor (fitted at each outlet) allows precise control of the roofs 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 Bauder Filter Fleece	Filtration layer that prevents dirt and leaves from washing into the drainage and water storage layers.	1mm	0.13Kg/m ²
3 Bauder Attenuation Cell 100	A high strength void element which is 95%+ void. This can hold 95 litres per m ² . Allowing it to slowly discharge through the flow restrictor (fitted to the outlet).	100mm	8.06Kg/m ²
4 Bauder FSM600 Protection layer	Polyester and polypropylene fibre mix protection layer to prevent mechanical damage to the underlying waterproofing.	4mm	3.6Kg/m ²
5 Bauder Waterproofing System	Bauder's BTGRS Bituminous Membrane or Bauder Holt-melt Bituminous Waterproofing system.	N/A	N/A
6 Bauder Blue Roof Flow Restrictor	A combined restrictor plate and overflow, enabling discharge flow rates to be altered for SUDS requirements.	N/A	N/A
Blue Roof Build up (excludes water held within the Attenuation Cell during rain events and the underlying waterproofing)		155mm +	92Kg/m ² +

Note:

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

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