

SYSTEM SUMMARY

BauderBLUE STORMsub System

Blue green roof SuDS solution with extensive biodiverse vegetation

Hybrid system that utilises the water storage capacity of a green roof build up. The SUB-RE UK layer and RE 40 board act with the flow restrictor to carefully control water discharge off the roof. The system benefits the vegetation as typical substrate depths are greater allowing deeper rooting and using a substrate to hold the rainwater reduces the amount of plastic within the build-up by 84% compared to the BauderBLUE STORMcell system.



Please note:

Bauder blue roof systems require bespoke flow rate calculations please contact our technical department.

All green roofs require water during times of drought.

Bauder recommends the watering and maintenance of this roof is considered and addressed during its design.

Product	Description	Thickness (mm)	Saturated weight (kg/m ²)
1 Vegetation	Bauder range of vegetation used with other habitat features. (See our vegetation brochure)	Varies with the season and plant growth	
2 BauderGREEN SUB-BM UK	Lightweight biodiverse substrate growing medium tested to BS 8616 and designed to meet GRO and FLL guidelines.	Varies, typically 100+	120
3 BauderGREEN FV 125 100	Filter fleece layer that prevents substrate fines from washing into the drainage and water storage layer.	1	0.13
4 BauderGREEN SUB-RE UK	Open substrate with no fines and a very high void ratio. Depth varies to meet required water volume to be attenuated.	Circa 100	56
5 BauderGREEN RE 40	100% recycled HDPE lightweight attenuation board, filled it holds 16 ltr/m ² .	40	1.5 (when empty)
6 BauderGREEN FSM 600	Protection layer prevents mechanical damage to the underlying waterproofing. 100% recycled Polyester and polypropylene fibre mix.	4	3.6
7 BauderBLUE ST-B or ST-HM	Combined restrictor plate and overflow for discharge rates to meet SUDS requirement.	N/A	N/A
BauderBLUE STORMsub Total Values	Fully saturated weight excludes: <ul style="list-style-type: none"> the water held in the SUB_RE substrate during a rain event. underlying waterproofing. 	246	181.4



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charity)

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