

TECHNICAL SYSTEM SUMMARY

INTENSIVE GREEN ROOF SYSTEM

ROOF GARDEN LANDSCAPING SOLUTION

Intensive green roofs are accessible gardens used for recreational and leisure purposes. The landscape variations are practically limitless for both design and use as it is feasible to create an environment at roof level similar to that of any designed garden or parkland. A comprehensive range of guarantees are available for this system.

Vegetation specifically selected for each individual roof, from turf to trees.

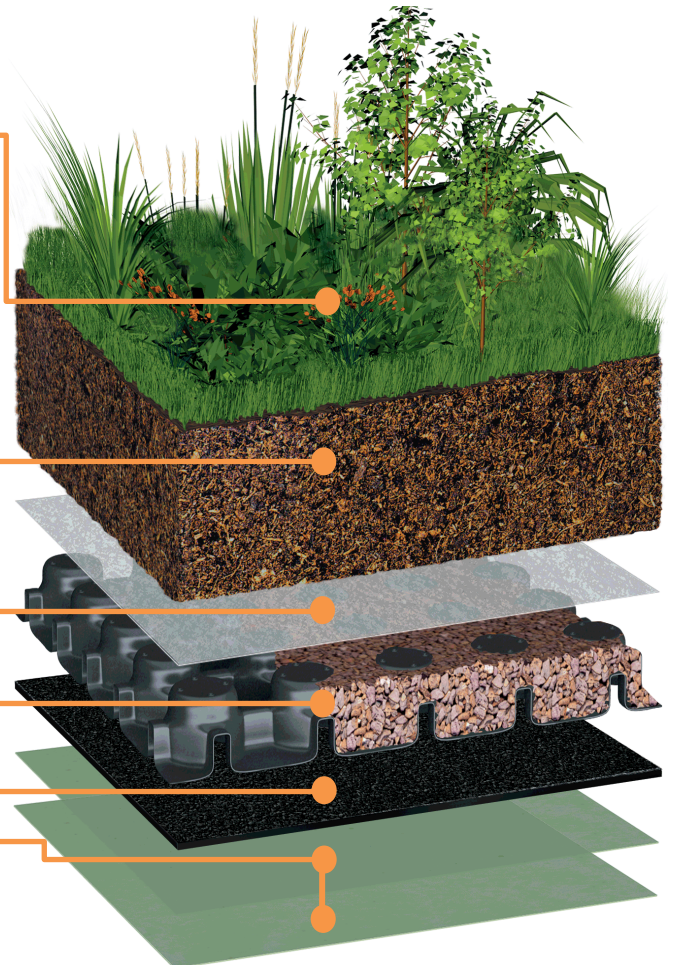
Bauder Intensive Substrate is a lightweight growing medium manufactured to meet FLL guidelines.

Bauder Filter Fleece is a filtration layer that prevents substrate fines from washing into the drainage layer.

DSE 40 is a lightweight water storage and drainage layer made of HDPE, 40mm thick.

Bauder Pro Mat is a recycled shredded rubber protection layer

Bauder PE Foil (two layers) is a polyethylene foil separation and slip layer manufactured from recycled granules.



When to Specify

Whilst living roofs can be constructed on most structures, the type of build-up will vary dependent upon the slope of the roof. It is crucial that an integrated approach is taken to the design and specification of both the waterproofing and landscaping components so that the desired outcomes are achieved.

Waterproofing Options

There are different waterproofing systems available to suit the individual project criteria for the green roof, its landscaping options, weight loading limits, performance and durability requirements. Please contact us so that a technical advisor can take you through the system best suited to your project.

Weight Loading

Based on 200mm substrate depth and 0-5° pitch



Product	Thickness (mm)	Saturated Weight (Kg/m ²)
Vegetation Layer	Specifically selected for each individual roof, from turf to trees.	
Bauder Intensive Substrate	200.0 (varies)	250.0
Bauder Filter Fleece	1.0	0.125
DSE40 Drainage Layer	40.0	15.3
Bauder Pro Mat	6.0	4.3
Bauder PE Foil Separation Layers	0.4	0.38
Totals	247.40	270.105