

Project Study

Small Animal Hospital

New build project using a Bauder seeded Green Roof.



BUILDING BOARD

Roof Size:	2800 m ²
Client:	University of Glasgow
Specifier:	Davis Duncan Architects
Approved Contractor:	Advanced Roofing Systems

INSTALLED SOLUTION

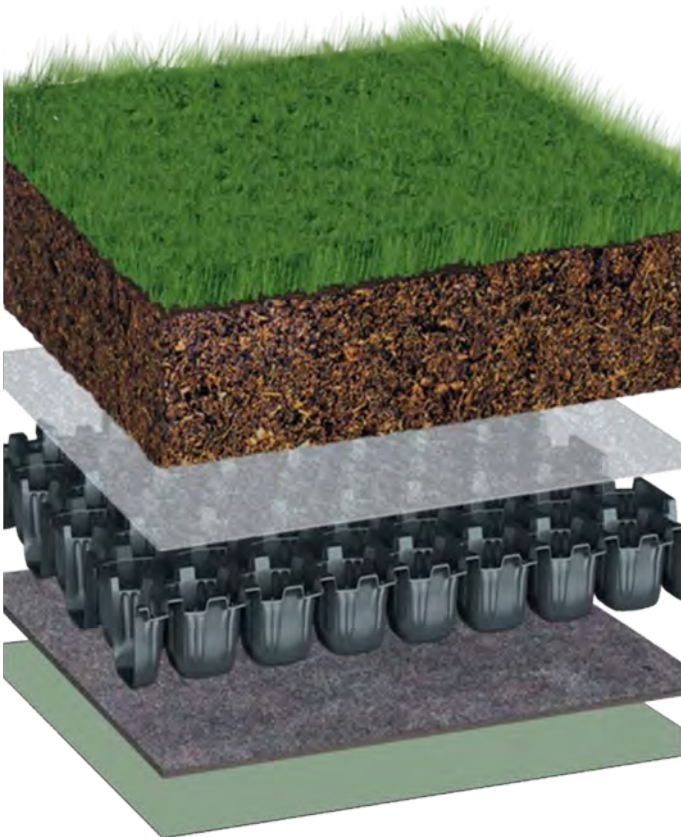
BauderGREEN

Intensive landscaping and substrate system

Bauder Seeded Green Roof uses a specifically developed seed bed substrate mix to encourage the roofs integration with the surrounding environment.

Past experience proves that the open texture of traditional substrates can allow the seed to be blown off the roof and to migrate down into the growing medium to a point where it cannot germinate properly, creating a patchy finish. To prevent this, Bauder developed a specialist seed bed substrate mix to be used as a topdressing over their traditional intensive substrate, allowing the use of a grass seed mix that could easily blend with the surrounding grassland.

The seeds were dressed onto this top-dressing using traditional sowing techniques and equipment, which delivered both optimum germination and the swift establishment of a healthy, even greensward. The building seamlessly blends into its surroundings, inviting visitors to explore the roof top vantage.



Set within the Garscube Estate, the hospital forms part of the University of Glasgow's faculty of veterinary medicine. Archial Group, the architect, designed the new build project with as minimal visual impact as possible, so the building was constructed within the side of a hill with a green roof. Towards the end of the roof's construction a seeded grass finish was opted for.

For the Small Animal Hospital project, Bauder Seed Bed Substrate was used. This substrate is a top-dressing growing medium, installed at a minimum depth of 25mm over either Bauder Biodiverse or Extensive substrates, when the roof is to be either seeded (with a non-Bauder Seed Mix) or to receive vegetation cuttings.

PRODUCTS INSTALLED

- Seed bed substrate: BauderGREEN SUB-SBS
- Filter Fleece: BauderGREEN FV 125 100
- Drainage board: BauderGREEN DSE 40
- Protection Layer: BauderGREEN FSM 600
- Separation and slip layer: BauderGREEN PE 02
- Green roof cap sheet: BauderPLANT E 42