

Project Report

Gallie Craig Coffee House, Scotland



Due to the turf roof, an extraordinary level of harmony with the surrounding landscape was achieved.

Project Data

Area: ca. 400 m²

Construction Year: 2004

Architect/Design:
I.B. MacFadzean, Stranraer, Scotland

Contractor: South West Roofing,
Dumfries, Scotland

System Build-up:
Floradrain® FD 40-E for semi-intensive
green roofs

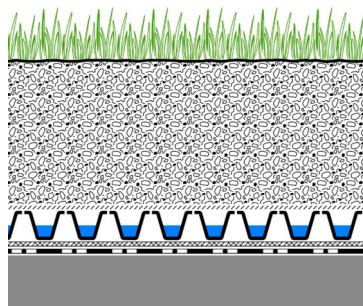
Coordinates:
54°38'05.8"N 4°51'26.9"W

Conception

Gallie Craig Coffee House is situated on the Southern tip of the Scottish Peninsula "Rhins of Galloway" - the most southerly point of Scotland. Set on vertical cliffs and embedded into the surrounding landscape that it is almost invisible, Gallie Craig offers spectacular views across the Irish Sea. Due to its exposed location in a nature reserve, an environmentally-sound building concept was required for this project to obtain building permission. The target was

to fit the building into the landscape in an environmentally-sensitive manner. So a turf roof was planned growing the same grasses as in the surrounding landscape. For this a build-up system including ZinCo Floradrain® FD 40-E drainage board as a core element was installed in combination with a special blend of substrate that suited the needs of the turf planted. In the end, an extraordinary level of harmony with the surrounding grassland was achieved.

System Build-up



- Plant layer "Local grasses"
- System Substrate ca. 200 mm
- Filter Sheet SF
- Floradrain® FD 40-E
- Protection Mat SSM 45
- Waterproofed roof construction plus root barrier

Development



The green roof connects seamlessly with the surrounding grass and heather landscape, making the building almost invisible.



Gallie Craig - named after the "Mull of Galloway" headland rising out of the sea like a "craggy rock".



The 26 m high lighthouse and Gallie Craig housing a restaurant and gift shop are local attractions.



Located in a nature reserve, special planning and approval was required to build Gallie Craig



Gallie Craig sitting on almost vertical cliffs offers breath-taking views across the Irish Sea

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