



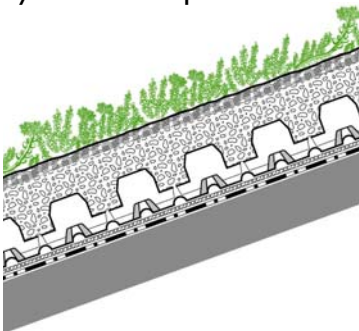
The new greened garden pavilion perfectly integrates into the surrounding nature.

Conception

The ASHA Centre is a UK charity offering intercultural activities especially for young people as well as cultural, educational and environment-based programmes. The Centre is located in the countryside in the historic woodlands of the Royal Forest of Dean in Gloucestershire. The existing Georgian buildings are surrounded by more than 4 acres of biodynamic gardens. In the construction of a new garden pavilion for training purposes one of the goals was to integrate the new building perfectly into the surrounding landscape.

That's why a green roof was installed using the proven ZinCo system build-up for pitched roofs. This system is based on the drainage element Floraset® FS 75 which was particularly developed for the use on pitched roofs its high studs preventing the roof substrate from sliding. To secure the eave and take up the shear forces the ZinCo support brackets TSH 100 were used in combination with the ZinCo eaves profile TRP 140. In addition, sedum mats were laid out to allow for quick ground covering.

System Build-up



- Pre-cultivated Vegetation Mats "Sedum Carpet"
- System Substrate "Rockery Type Plants"
- Floraset® FS 75
- Protection Mat BSM 64
- Roof construction with root resistant waterproofing



Even the roof of the entrance area was greened, however, Floradrain® FD 25-E was used as a base.



The sedum mats were laid close together, without overlapping.

Project Data

Area: ca. 130 m²

Construction Year: March 2015

Architect/Design:
Paul Thornton Building Ltd, Coleford

Contractor:
Landmark Living Roofs Ltd, Wimborne

System Build-up:
"Pitched Green Roof" with
Floraset® FS 75

Coordinates:
51°50'27.74"N 2°28'24.84"W

Construction



The TSH 100 support brackets were installed and sealed in line and parallel to the eave ...



... the eaves profiles TRP 140 were set loose onto the protection and water retention mat BSM 64; Floraset® FS 75 elements were laid out on the entire roof surface.



Before applying the sedum plant mats the system substrate was leveled.