



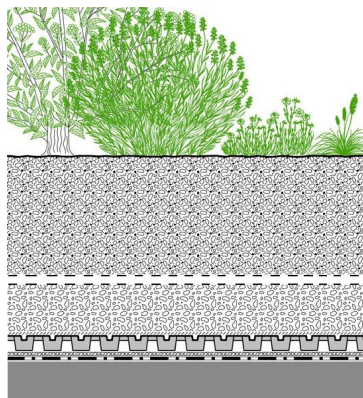
The green courtyard with planters made of glass fiber reinforced plastic.

Conception

In 2008 the new building of the WGV-Insurance has been opened in Stuttgart. Since then customers and employees of the WGV have enjoyed the beautiful courtyards which contribute to a good working environment. The approx. 1.1 m high, built-in planters have been provided with an automatic irrigation

system with the irrigation pipes installed below the elevated concrete slabs. The four courtyards have been planted with a total of 58 small crowned trees. In addition, several extensive green roof areas of approx. 2.000 m² total were installed to improve the Stuttgart climate.

System Build-up



- Plant layer (Shrubs, Groves)
- System Substrate "Roof Garden"
- Sub-Substrate Zincolit® Plus
- Filter Sheet TG
- Stabilodrain® SD 30
- Protection Mat ISM 50
- Roof construction with root resistant waterproofing

Development



Under the elevated concrete slabs was enough space for the irrigation pipes.



On the above green roof area was the fall protection system Fallnet® SR Rail installed.

Project Data

Area:
 - Courtyard: 1.650 m²
 - Roof: 2.000 m²

Construction Year: 2008

Architect/Design:
 Kunder³ Landscape architecture, Stuttgart

Contractors:
 - Courtyards: Uecker + Pfaff GmbH
 - Roof areas: Garten Moser, GmbH & Co. KG

System build-ups with Stabilodrain® SD 30, Elastodrain® EL 202, Elefeet®, Floraset® FS 50

Coordinates:
 48°46'08.65"N 9°10'20.86"E



One of the green roof area of the inner courtyard short after installation...



...and during the first tulip blossom in spring 2009.



Installation of the Stabilodrain® SD 30 elements in an inner courtyard.

