



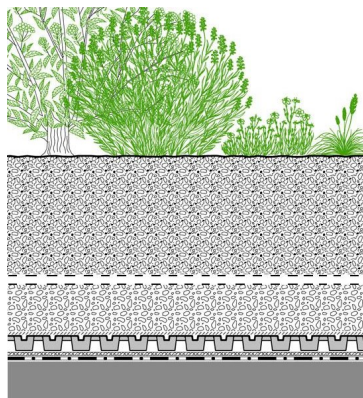
The green courtyard with planters made of glass fiber reinforced plastic.

### 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 m<sup>2</sup> 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 m<sup>2</sup>  
 - Roof: 2.000 m<sup>2</sup>

**Construction Year:** 2008

**Architect/Design:**  
 Kunder<sup>3</sup> Landscape architecture, Stuttgart

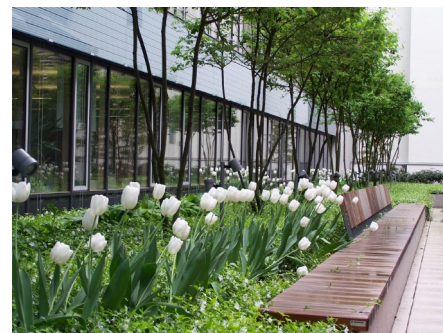
**Contractors:**  
 - Courtyards: Uecker + Pfaff GmbH  
 - Roof areas: Garten Moser, GmbH & Co. KG

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

**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.

