

Project Report

Roof Garden, Munich



Sitting together in your own garden, overlooking the rooftops of Munich.

Conception

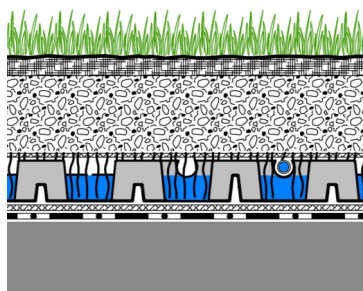
The dream of a garden of your own is difficult to realize in a big city. Therefore in Munich three parties residing in the same building joined together and started an exciting project.

The original saddle roof of the building was replaced by an additional fifth floor, accommodating three apartments with a common flat roof. That's where the common roof garden was to be realized. Due to structural restrictions only the system build-up "Roof Garden" with

Aquatec® AT 45 came into question, as the substrate layer here can be reduced to approximately 100 mm.

The principle of this system build-up is based on the distribution and retention of water in the cells of the water storage element Aquatec® AT 45. Water is being supplied via dripperlines. It is being soaked up by the fibres of the Wicking Mat DV 40 and thus provided to the substrate. Finally pre-cultivated turf was laid on top of the substrate.

System Build-up



- Plant layer "Roof Garden" with Aquatec® AT 45
- System Substrate "Lawn"
- Wicking Mat DV 40
- Aquatec® AT 45 with Dripperline 100-L1
- Filter Sheet PV
- Roof construction with root resistant waterproofing

Development



The irrigation takes place via dripperlines which are clipped into the Aquatec® AT 45 elements.



Pre-cultivated turf was laid on top of the substrate for quick covering.

Project Data

Area: ca. 280 m²

Construction Year: 2011

Contractor:
SE-BAU Landschaftsbau GmbH,
Karlsfeld

System build-up:
"Roof Garden" with Aquatec® AT 45

Coordinates:
48°6'52.56"N 11°35'3.25"E



The wooden cubes with their winter garden character have also been extensively planted with Sedum species.



The wooden decks accommodate seating and potted plants, among those home-grown vegetables and wine.



The water supply is regulated by the Irrigation Manager BM 4 meeting the demands of the vegetation.

