



The roof of the parking garage in full bloom. (photo July 2004).

Project Data

Area: ca. 8.000 m²

Construction Year: 2001

Architect/Design:
Stutz & Bolt, Winterthur

Contractor:
Behlke GmbH, Lennestadt

System Build-up:
"Semiramis"

Coordinates:
47°27'03.42"N 8°33'53.83"E

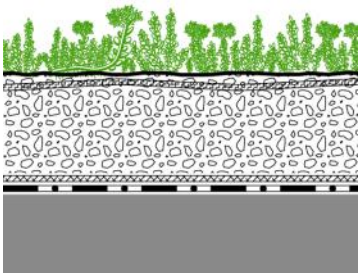
Conception

The requirements of the Zurich canton to establish vegetated roofs was the reason behind designing the green roofs of the airport buildings. In general, all flat roofs must be installed with a green roof. To achieve a high water retention. The green roofs also provide an appealing view from the airplanes.

The implementation of the project was a logistic challenge: only two parking posi-

tions were available in front of the building. Specially designed lorries with funnel shaped outlets and a capacity of 12–15 m³ provided substrate for 7 days to a pneumatic pump. The pump was blowing the ZinCo substrate onto the 50 m high roof. The plants were installed with cuttings and hydroseeding. Afterwards a Jute net against erosion was installed to protect the cuttings from strong winds.

System Build-up



- Sedum Cuttings and Hydroseeding
- Jute-Anti-Erosion Net JEG
- System Substrate "Sedum Carpet"
- Protection Mat SSM 45
- Roof construction with root resistant waterproofing



The Roof during maintenance work in September 2010.



The Roof of the parking garage in June 2003 (in the second growing season).

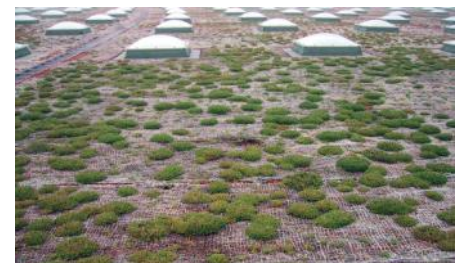
Development



Blowing of the substrate to the roof with a special lorry and a mobile pump.



Installation of the Jute Anti-Erosion Net JEG on the System Substrate.



The roof in October 2002.

