



Project Profile Data

"Technoseum", Mannheim, Germany



Project Data

Area: ca. 5,400 sq. ft. (500 m²)

Construction Year: 1990

Architect/Design:
Heinz Michel Architectural Office,
Cologne

Contractor:
Ingo Hoppmann, Sinsheim and
Motz & Kadner, Mannheim

System build-up:
"Roof Garden" with Floradrain® FD 60

Coordinates:
49°28'35.06"N 8°29'51.12"E



The freely accessible roof garden of the "Technoseum" in Mannheim in May 2011.

Conception

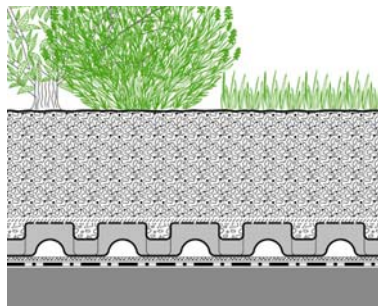
The roof garden of the "Technoseum" in Mannheim, formerly known as the "State Museum of Technology", is located on the first floor roof of the building and is part of the exhibition. Originally a conventional three-year crop rotation was presented on the roof area, which later was turned into garden plots. The caretaker of the "Technoseum" maintains the roof garden affectionately so

everything grows and prospers. He supplies the museum's staff regularly with fruits and vegetables. As a basis for the green roof, first the drainage and water storage elements Floradrain® FD 60 were laid on the entire roof surface. The intensive green roof substrate was enriched by an additional layer of humus. The total substrate height varies between 8 and 28 in. (200 and 700 mm).



This photograph from 2005 shows the roof garden before a caretaker started maintaining it affectionately.

System Build-up



Plant layer according to design plan

System Substrate and humus cover

Filter Sheet SF

Floradrain® FD 60
filled with mineral sub-substrate

Protection Mat ISM 50

Roof construction with
root resistant waterproofing



The gardener's imagination knows almost no limitations, even pumpkins and zucchini develop excellently at the museum's roof garden.



The roof area was divided into several zones and planted in different ways. Green beans, tomatoes and potatoes are thriving in one of the corners. Adjacent, there is a field of raspberries and strawberries. Sunflowers, roses, perennials and dogwood, which has risen five meters high in the meanwhile, also found their place on the roof.