



The impressive roof garden on the University Library of Warsaw.

Project Data

Area: > 10.000 m²

Construction Year: 1999

Architects:

Z. Badowski, M. Budzynski and
A. Kowalewski, Warsaw

Landscape architect:

Irena Bajerska

Contractor

Roof Corporation, Austria

General contractor:

Porr International, Austria

Coordinates:

52°14'33.87"N 21°01'30.87"E

Conception

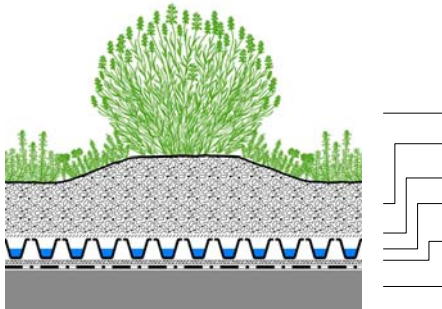
In 1999 an intensive green roof was implemented on an area of more than 10.000 m² on the roof of the University Library in Warsaw.

The different levels of the roof area are connected by steps and bridges. The roof area, even described as "botanical garden" with a view on the "Vistula River", is open for the public. It is so popular, that even wedding photos are "shot" there. The drainage element Floradrain® FD 40-E

has been used for the intensive green flat roof. While in the pitched area Floraset® FS 75 has been used.

The plant beds have been created in large-scale geometric shapes like circles and squares. The height of the substrate layer varies from 200 mm to 400 mm depending on the proposed vegetation (lawn, perennials or shrubs). A drip irrigation system has been installed so that the plants survive long times of drought.

System Build-up Flat Roof



- Plant layer according to design plan
- System Substrate (ca. 200 mm)
- Filter Sheet SF
- Floradrain® FD 40-E
- Protection Mat ISM 50
- Roof construction with root resistant waterproofing



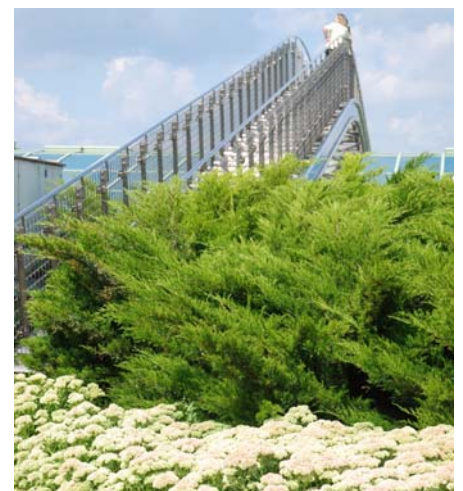
The big glass dome will be covered by a second "dome" off climbing plants.



The different plant beds are divided by walkways. In the background you see the "Vistula River".



Over stairs on both sides of the pitched green roof you get on the main roof garden.



After more than 8 years the vegetation on the roof is still in excellent condition.

