



Project Profile Data

Private Roof Garden, Peristeri, Athens, Greece



Project Data

Area: 2,600 sq. ft. (240 m²)

Construction Year: 2003

Landscape architect:
Heli Pangalou

System Build-up:
Floradrain® FD 40-E with Lawn and
Shrubs

Coordinates:
38°00'45.43"N 23°42'44.59"E



The roof garden is a green island in the densely built urban landscape.

Conception

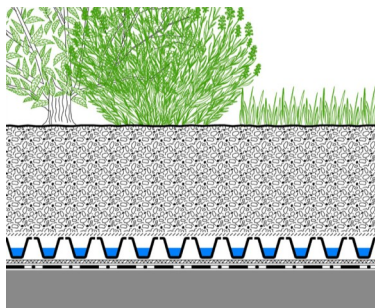
An existing roof terrace of a private property in the Peristeri district of Athens was redesigned into a sophisticated roof garden. Such a green oasis has several advantages. On the one hand, the roof garden offers variety, is a great benefit to the eye and is an oasis of nature in the middle of the city. On the other hand, the "green roof" has a cooling effect. The drainage

element Floradrain® FD 40-E was used as base which drains away excess water from the roof during territorial rains. An integrated automatic drip irrigation system in the planting beds ensures adequate water supply for the plants. In addition the lawn area is sprinkled time by time. The green roof area as such provides balanced temperatures in both summer and winter times.



The terrace before reconstruction...

System Build-up



Plant layer with Lawn, Shrubs and Trees

Growing media Zincoblend

Filter Sheet SF

Floradrain FD® 40-E

Protection Mat ISM 50

Roof construction with
root resistant waterproofing



The roof garden was planted with lawn, shrubs and trees.



The roof garden shortly after completion in 2003.



Two years later, the lawn and the rhododendron have established well.



A metal profile separates the terrace from the rest of the roof.