



This complex roof garden was created on top of a parking garage.

Project Data

Area: ca. 1.000 m²

Construction Year: 2011

General contractor:
Construction Management Group
(CMG), Panama

Contractor:
Promotora Cosmopolitan S.A.,
Panama-City

System Build-up:
"Roof Garden" with Floradrain® FD 40

Coordinates:
9°0'44.22"N 79°31'1.70"W

Conception

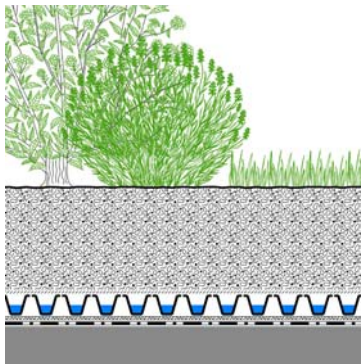
The Cosmopolitan Towers are a private residential complex in the center of Panama City. A recreational area situated on top of the roof of the parking garage, connects the two apartment towers. The intensive green roof offers play and sports grounds, a swimming pool, paved areas and plant beds. The Protection Mat ISM 50, the drainage and water storage element Floradrain®

FD 40 and the System Filter SF were installed on the entire roof area, apart from the pool area. The System Substrate "Roof Garden" was applied within the planting areas. The substrate depth varies according to the height and type of vegetation. The selection of species was made not only according to the visual appealing but also to climatic conditions.



This rendering shows the planned roof garden, which is to connect the two apartment towers. The roof can be accessed directly from both towers.

System Build-up



- Plant layer (lawn, shrubs...)
- System Substrate "Roof Garden"
- Filter Sheet SF
- Floradrain® FD 40
- Protection Mat ISM 50
- Roof construction with root resistant waterproofing



Despite the heavily frequented street running right in front of the building, the roof garden offers a kind of "haven of peace".



The future pool area is clearly recognizable only shortly after completion of the waterproofing works.



Since the completion of the roof garden it has been used frequently by the residents of the apartments.



The children have also been thought of, thus a playground was built on the roof.

