

Project Reports Renaissance Barcelona Fira Hotel, Barcelona



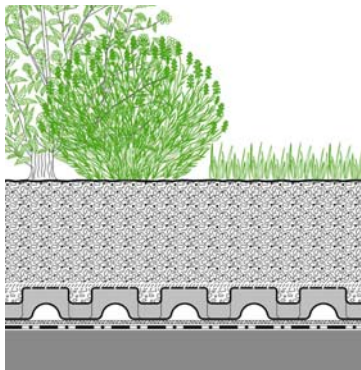
Even the hotel's facade with its palm-shaped window openings arouses the observer's interest.

Conception

The 26-storey Renaissance Hotel at the Europe Square in Barcelona is an architectural masterpiece and enchants with its tropical flair and great recreational opportunities. The hotel consists of two 110 m high towers enclosing a glass atrium, which are connected with each other via a restaurant on the 14th floor, several bars, stairs and platforms. From the rooftop garden including a pool one has a magnificent view of the city. As soon as you set foot into the hotel you get the

impression of being in a jungle and not in the very centre of Barcelona. Thus, the overall concept of a vertical tropical garden was realized successfully. Either in the entrance area, on each floor, in the restaurant area or on the roof terrace one is always surrounded by palm trees and manifold other tropical plants. The system build-up "Roof Garden" based on the drainage element Flora-drain® FD 60 offers an adequate substructure for the intensive plantings.

System Build-up



- Plant layer
- System Substrate
- Filter Sheet SF
- Floradrain® FD 60, infilled with crushed stone
- Protection Mat SSM 45
- Planter with root resistant waterproofing



The open vertical garden with its 300 palm trees and other tropical plants extends over the full height of the building, from its entrance, over the small balconies and landings, up to the roofs at about 100 meters of height.

Project Data

Area: ca. 1.100 m²

Construction Year: 2011

Architect/Design:
Jean Nouvel, Paris and Ribas & Ribas,
Barcelona and Factors de Paisatge,
Barcelona

Contractor:
Massoni S.L., San Boi de Llobregat

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

Coordinates:
41°21'23.07"N 2°7'23.32"E

Development



The green roof system build-up "Roof Garden" was applied as a substructure within the planters.



The large palm trees were positioned within the planters by joining forces.

