



The plants within the dome-shaped planters were chosen according to climatic conditions.

Project Data

Area: ca. 320 m²

Construction Year: 2014

Architect/Design:

Jiménez y Bazán Arquitectos SLP,
Guía de Isora, Santa Cruz de Tenerife

Client:

Government of the Canary Islands, Provincial
Administration of Tenerife and the City Adeje

Contractor:

Impermeabilizaciones Machado,
La Orotava, Santa Cruz de Tenerife

System Build-up

"Pitched Green Roof" with Floraset® FS 75

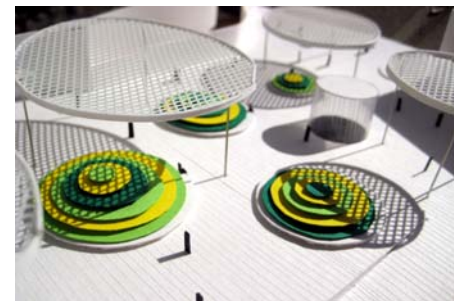
Coordinates:

28°5'26.57"N 16°44'29.85"W

Conception

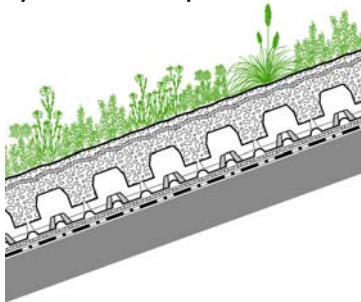
As part of the redesign of the entire Adeje promenade in Santa Cruz de Tenerife the public square located on the underground garage roof has been modernized, too. Large shady pergolas and circular flower beds of various sizes, which are distributed all over the place like bubbles in water transform this public square into a unique urban space providing areas to relax and to play and creating a relationship between the beach, the city, the shopping areas and the landscape connecting these

areas smoothly with each other. The construction of the dome-shaped planting beds on the one hand required a lightweight build-up in order to avoid a further ballast for the existing base, and on the other hand demanded a low build-up height, in order to have more space for substrate and plants. Given these requirements and the pitched surface of the planting beds, the ZinCo system build-up "Pitched roof" was chosen as a perfect solution to meet these demands.



This handmade model shows the idea of the redesign of the garage area.

System Build-up



- Plant layer
- Jute-Anti-Erosion Net JEG
- System Substrate "Roof Garden" (ca. 100 mm)
- Floraset® FS 75
- Protection Mat BSM 64
- Roof construction with root resistant waterproofing

Development



The entire surface of each planter was covered first with the protection mat and then with the drainage elements. The Floraset® elements were cut to shape to follow the curves of the surfaces.



The drainage elements were covered with 100 mm of system substrate.



The new square on top of the garage is publicly accessible.



On-ground dripper lines were applied as an additional irrigation between the plants.