

PROJECT REPORT



GF VICTORIA HOTEL, COSTA ADEJE, TENERIFE



View upon the eyecatching steep pitched green roofs of 5-star GF Victoria hotel.

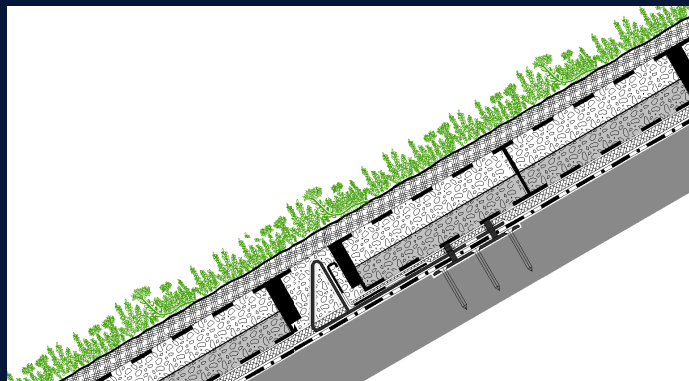
PROJECT DATA

Area: ca. 1,000 m²
Construction Year: 2017

Architect/Design:
Architects Studio Javier Álvarez and Silvia Miguel, Santa Cruz de Tenerife

Contractor:
Impermeabilizaciones Machado, S.L.U., La Orotava. S/C de Tenerife

System Build-up: "Steep pitched roof" with Georaster®



SYSTEM BUILD-UP

Plant layer

System Substrate "Roof Garden"

Georaster® infilled with System Substrate, plus shear barriers consisting of Shearfix LF 300 support bracket and TRP 80 eaves profile for shear protection

Protection Mat WSM 150

Roof construction with root resistant waterproofing

CONCEPTION

The GF Victoria luxury hotel which opened its doors in 2018 in Costa Adeje / Tenerife, not only impresses with its sustainability concept, but has also become a visual attraction in this popular tourist destination thanks to its three steep pitched green roofs. With slopes of up to 45° and a verge length of up to 33 m, these green roofs are among the steepest of their kind in Europe and could only be realized under very specific conditions. Steep pitched roofs usually reach their natural limit at a pitch of approx. 35°. So a variety of conditions had to be fulfilled



Artificial rocks and the planting of palm trees within and between the pitched roofs add further accents to these extraordinary green roofs.



Only six months after planting, the shrubs and perennials have developed into a beautiful flower carpet, both in the pitched and in the few flat roof areas.

that a roof with slopes going beyond could be greened. Apart from the functional reliability of the material installed, other aspects played an important role during installation. First and foremost was the enthusiasm and commitment of all those involved, who never questioned the success of the project. In addition, stable weather conditions during installation were important in order to be able to go without the usual pre-cultivated sedum mats which are normally used on steep pitched roofs. Instead a selection of drought-resistant shrubs and perennials adapted to the Tenerife climate and well coordinated in colours was planted giving the roof its unique and extraordinary design.

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