



The green roofs with their Mediterranean vegetation accentuate the flowing transition to the green surroundings.

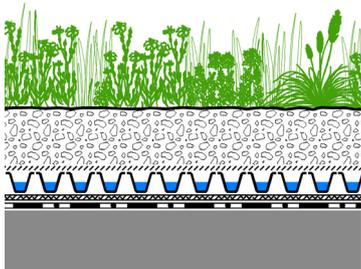
### Conception

The Olea All Suite Hotel is located on the Greek island of Zakynthos. Thanks to the greening of all roof areas (ca. 2.000 m<sup>2</sup> in total) it is perfectly embedded in the natural hilly landscape.

The 93 suites are arranged in rows around the lagoon-style pool in the centre. The clear shapes of the building structure and the lack of ornamentation evoke the architectural minimalism style of the 1920s. It is precisely this element that gives the Olea resort the desired sense of order and calm.

The green roofs protect the waterproofing from environmental impacts, provide an enhanced sound insulation and, in summer a cooling effect caused by evaporation. To achieve a lasting vegetation, it was essential to choose plants which were tailored to suit the Mediterranean climate. Therefore different drought-resistant species were selected, and the clear and calm cube structure was stressed by planting only one species on an individual roof area.

### System Build-up



Plant layer

System Substrate

Filter Sheet SF

Floradrain® FD 25-E

Protection Mat TSM 32

Roof construction with root resistant waterproofing

### Development



The protection mat TSM 32 is the first layer to be installed with an overlap on the root resistant waterproofing.



The Floradrain® FD 25-E drainage and water storage elements regulate the water balance in the System Build-up.

### Project Data

Area: ca. 2.000 m<sup>2</sup>

Construction Year: 2018

Architect/Design:  
Block 722architects+, Athen

Contractor:  
UNISOL SA\_P. Kostakis LTD 26504

System Build-up with Floradrain® FD 25-E and drought-resistant vegetation

Coordinates  
37°48'21.76"N 20°52'16.40"E



The green roofs protect the waterproofing membrane and provide a cooling effect in summer as they are like an additional layer of insulation.



A clear pattern emerges because the individual roof areas are planted with only one type of plant – with low-growing and taller species and all kinds of flowering colours.



The water bodies and green roofs are deliberate design elements.