



Partial view of the large-scale extensive planting.

## Conception

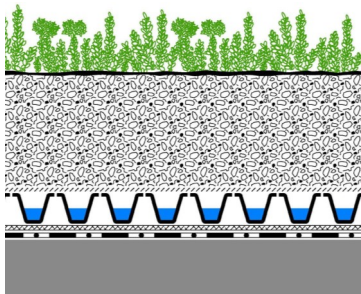
To enhance the visual appearance of the surrounding roof areas and therefore to improve the view from the waiting hall, the operator of the Ibiza Airport decided for a green roof. However, a weight restriction of approx. 95 kg/m<sup>2</sup> needed to be considered.

Therefore the installers were forced to use a substrate that would guarantee a specific weight of only 850 kg/m<sup>3</sup> but at the same time would provide an adequate nutrient supply. The system substrate

that was offered by the ZinCo associated company Cubiertas Ecológicas S.L., met all these conditions. To ensure a balanced water and air supply drainage elements of the type Floradrain® FD 40-E were applied on the entire roof area before.

The photographs prove the success of the works. Shortly after the completion of the landscaping works the vegetation shows a covering of almost 100% - also due to the integrated drip irrigation.

## System Build-up



- Plant level
- System Substrate, ca. 100 mm
- Filter Sheet SF
- Floradrain® FD 40-E
- Protection Mat TSM 32
- Roof construction with root resistant waterproofing

## Development



Protection mat, drainage elements and filter sheet are ready for installation.



Preliminary work on the roof area to be vegetated.

### Project Data

**Area:** ca. 3.200 m<sup>2</sup>

**Construction Year:** 2010

**Architect/Design:**  
Javier Martinez and Jesús Sansó

**Contractor:**  
Proyectos Paisajísticos de Baleares S.L., Palma de Mallorca;  
Jardinería S.L., Terrassa, Barcelona

**Coordinates:**  
38°52'31.47"N 1°22'1.85"E



View from the waiting hall on the large-scale planting.



The roof area a few months after the plug plants have been planted.



The roof area just after the application of substrate with BigBags.

