



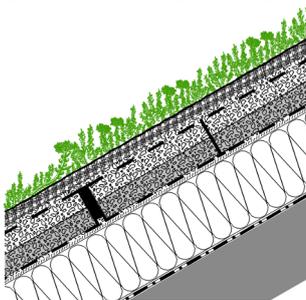
Thanks to the green roof areas that reach right down to the ground, the architecture blends perfectly into the surroundings.

Conception

The modern headquarters of the family-run company Farming Agrícola is located on a 32-hectare site in Villamartín de Campos. The extravagant office building with around 1.000 m² of blossoming roofscape looks as if the body of the building rises gently from the ground. Full-surface glass façades on both front sides allow easy views in and out lending the building even more charm. The roofs of the office building can be divided into three sections: Flat roof, pitched roof and steep pitched roof. The steep pitched roofs with an inclination of 40–45° presented the

greatest technical challenge. They were fitted with stable, sealed shear barriers that safely transfer the shear forces into the roof structure. XPS insulation (inverted roof), TGV 21 separation membrane and Georaster® elements completed the build-up. Floraset® 75 elements were installed in areas with a 20° pitch and on the flat roofs Floradrain® FD 25-E was used. For immediate ground covering to prevent erosion, pre-cultivated vegetation mats "Mediterranean flowering meadow" adapted to the dry and hot Spanish climate, were finally installed in all roof areas.

System Build-up "Steep Pitched Roof"



- Pre-cultivated vegetation mats "Mediterranean Flowering Meadow"
- System Substrate "Roof Garden"
- Georaster® elements
- Separation Membrane TGV 21
- Thermal insulation XPS

Roof construction with root resistant waterproofing

Development



The 40–45° pitched steep roof areas are very well prepared with the system build-up Steep Pitched Green Roof with Georaster® elements



The system substrate Roof Garden is held firmly in place in the 100 mm high Georaster® elements.

Project Data

Area: ca. 1.000 m²
 Construction Year: 2021
 Client:
 Farming Agrícola, Villamartín de Campos (Palencia)
 Architect/Planner:
 MODOS ARQUITECTURA, Palencia
 Contractor:
 Jardinería Diego S.L., Puente Arce
 System build-ups with Floradrain®, Floraset® and Georaster®
 Coordinates:
 42°01'38.1"N 4°39'33.0"W



A step is incorporated into the pitched roof of the two-storey main building allowing for the creation of a balcony with a glass balustrade.



The vegetation mats, Mediterranean Flowering Meadow, suited to the local climate, gradually reveal their sophisticated floral splendor.



It actually looks as if the colorful meadow flowers are climbing up the roof.

