



Project Profile Data

Grand Hotel Monterrey, Lloret de Mar, Spain



Hotel access for minibuses and cars on top of a two story deep underground garage.

Project Data

Area: 23,300 sq. ft. (2,160 m²)

Construction Year: 2008

Architect/Design:
Carlos Subirà, Lloret de Mar

Contractor:
Vallimper S.A., Terrassa and
Jardinata S.L., Terrassa

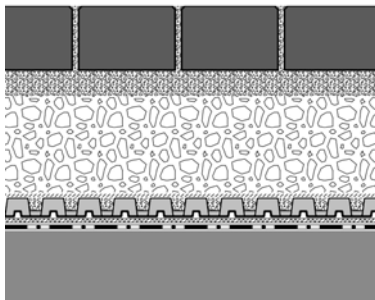
Coordinates:
41°42'17.63"N 2°50'59.26"E

Conception

Due to topographical reasons the hotel access was only possible crossing the top of a two story deep underground garage. This was a technical challenge for the engineers of the ZinCo technical department but also for the contractors Vallimper and Jardinata. A sufficiently dimensioned base layer

had to be created for the heavy load traffic whilst integrating the green areas with the high palm trees. The palm species "Howea forsteriana" grows up to 50 ft. (15 m) in height. The remaining green roof area consists of lawn which is irrigated by an automatic system.

System Build-up



- Pavers in lime-free bedding layer
- Base layer compacted, 150 mm
- Filter Sheet PV
- Stabilodrain® SD 30, filled with bedding material
- Filter Sheet PV
- Roof construction with root resistant water proofing



The underground garage under construction.



The same view after completion.

Development



Curb between driveway and green zone.



Application of gravel with a wheel loader.



Applying the base layer.

