



Project Profile Data

Grand Hotel Monterrey, Lloret de Mar, Spain



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
Jardinaturs S.L., Terrassa

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



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

Conception

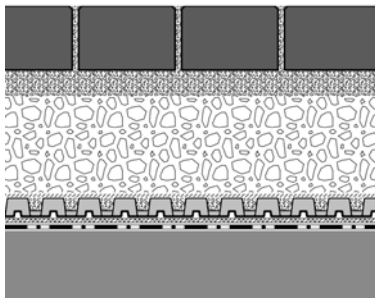
Due to topographical reasons the hotel access was only possible crossing the top of a two story deep underground garage. This was a technical challenge for the engineers of the ZinCo technical department but also for the contractors Vallimper and Jardinaturs. A sufficiently dimensioned base layer

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.



The underground garage under construction.

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 same view after completion.

Development



Curb between driveway and green zone.



Application of gravel with a wheel loader.



Applying the base layer.