

# PROJECT REPORT

## CAR PARK ROOFING, HAMRUN



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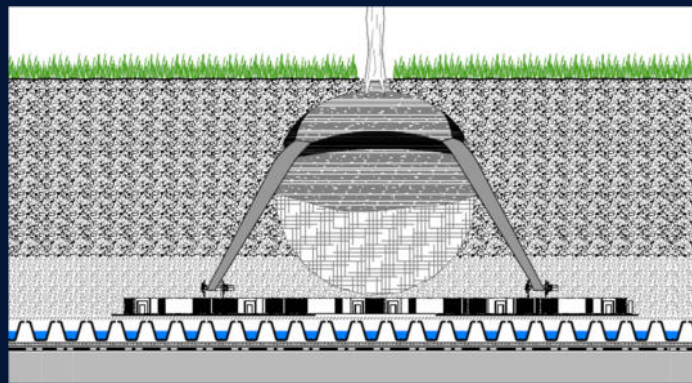
### PROJECT DATA

**Area:** ca. 350 m<sup>2</sup> (green roof)  
ca. 40 m<sup>2</sup> (vertical green roof)  
**Construction Year:** 2021/2022

**Architect/Design:**  
Frank Muscat – Doric Studio – Living Walls

**Contractor:**  
Derek Garden Centre, Qormi, Malta

**System Build-up:**  
“Roof Garden” with Floradrain®  
FD 40-E and Robafix



### SYSTEM BUILD-UP

Tree Anchorage System Robafix®  
with tensioning strap, fixing belts, grid  
elements and anchorage base plates

System Substrate “Roof Garden”  
Zincolit® Plus as sub-substrate  
Filter Sheet SF  
Floradrain® FD 40-E  
Protection Mat ISM 50  
Roof construction with root resistant waterproofing

### CONCEPTION

The green car park roofing consists of a circular green roof with a diameter of ca. 25 m. It was installed over an existing car park in order to add value to the existing surrounding area and improve the quality of life of the residents. The green roof fills an urban gap and makes the former void available again to the public. The roof garden creates a meeting point and urban recreational space, safe from cars and also easily accessible with a lift. It provides a series of areas for different kinds of

activities, both exposed to the sun for the colder months and shaded for the warmer months. Technically, all this was realised on the fully laid Floradrain® FD 40-E. The trees on the roof are exposed to high forces due to wind pressure and wind suction, which is why the Robafix® tree anchoring system was used. It is installed without any roof penetration.



The complete furniture consists of a harmoniously matching comfortable wood/aluminium-system.

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Thanks to an LED lighting system the roof garden is sufficiently safe also during the hours of darkness.

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The drip irrigation system ensures excellent plant growth, also for the green wall.

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