

# PROJECT REPORT



## CLUBHOUSE KETV, KARLSRUHE

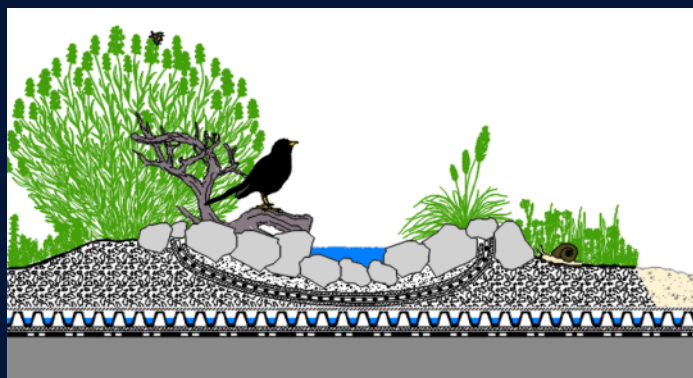


### PROJECT DATA

**Area:** 235 m<sup>2</sup>  
**Construction Year:** 2021

**Landscape Design and Installation:**  
Hohenschläger GmbH Garten- und  
Landschaftsbau, Muehlacker

**System Build-up:**  
“Biodiversity Green Roof” with  
Floradrain® FD 25-E



### SYSTEM BUILD-UP

- Vegetation Layer
- System Substrate
- Filter Sheet SF
- Floradrain® FD 25-E
- Protection Mat SSM 45
- Roof construction with root resistant waterproofing

### CONCEPTION

The waterproofing of the clubhouse of the Karlsruhe ice skating and tennis association had been tight for more than 50 years, but then the old gravel roof needed to be renewed. In search of an appropriate renovation solution for the approx. 235 m<sup>2</sup> area, the decision for a green roof was quickly made because it offered genuine added value beside a great look. Instead of a traditional extensive green roof a Biodiversity Green Roof was chosen to create the greatest possible biodiversity.

In spring 2021 the installation started on a root resistant waterproofing. The first layer was the Protection Mat SSM 45. Then the drainage and water retention element Floradrain® FD 25-E was laid. It is the core of the Zinco System Build-up. The drainage layer was covered by the Filter Sheet SF. The planning included several areas with different substrate depths ranging from 100–300 mm. The vegetation was installed by planting plug plants and sowing the Zinco Seed Mixture “Bee Pasture”.



The drainage and water storage element Floradrain® FD 25-E was laid fully surfaced. Additional Solar Base Plates SB 200 were placed in the areas under the solar system.  
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Gravel or stony areas and deadwood are major structural elements of the Biodiversity Green Roof as they provide nesting places and shelter for animals.  
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A green roof is perfect to be combined with a solar system because it creates synergy effects.  
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