Project Report   Achalm.Hotel & Restaurant, Reutlingen
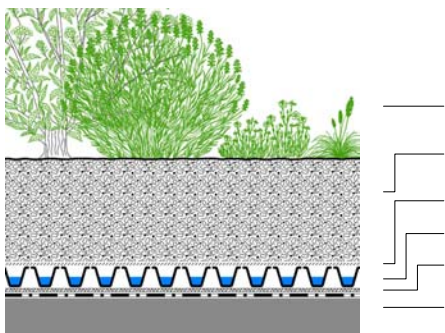

The plants on the terrace originate from the southern German mountains where the Achalm is situated as well.

Conception

The Achalm.Hotel complex consists of two utility floors built into the natural slope, an underground parking and a main building with a flat roof. Around 1,500 m² of roof landscape integrate the hotel into the surroundings. Since the new building is located in a nature reserve, the authorities decided to carry out further compensatory measures such as new plantations of trees and the installation of a habitat for the stag beetle. Furthermore a habitat for bats was provided.

Most of the exteriors are located on the garage ceiling. The large garden of the hotel complex was planted on the system build-up "Roof Garden" with Floradrain® FD 40-E. Besides a natural stone paving to linger there is also a spacious lawn area. Furthermore some rose bushes and grasses adorn the green roof.

The roof of the main hotel building was planted extensively.

The Achalm.Hotel situated in the nature reserve seen from the air.

System Build-up "Roof Garden"

Plant layer

System Substrate "Roof Garden"

Filter Sheet TG
Floradrain® FD 40-E
Protection Mat SSM 45
Roof construction with
root resistant waterproofing

A granite paving – made of used natural stones – was installed at the driveway to the entrance of the hotel.

One option for guests to reach the hotel is crossing the terrace.

Gravel is being applied above the Floradrain® FD 40-elements to provide a base for the natural stone paving.

In the overall access area Elastodrain® EL 202 was laid and fixed with corresponding connectors.

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