



The green roof helps this large building into the surrounding landscape.

Project Data

Area: ca. 6.300 m²

Construction Year: 1999

Architect/Design:
Abalos Herreros, Madrid

Contractor:
Aimad, Madrid

Note:
manual controlled irrigation system

Coordinates:
40°20'01.97"N 3°35'23.12"W

Conception

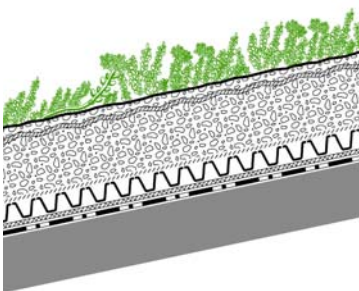
Designed in Germany, it was decided to construct the recycling plant using as many ecological methods as possible; thereby, keeping in line with its future use. A ZinCo green roof with protection and moisture retention mats, PE drainage elements, and extensive system substrate, all of which were manufactured from recycled materials, were particularly

suited to this project. In Germany, where the climate is more moderate, extensive green roofs are usually not irrigated; whereas, Madrid has a much drier climate and the planners, not wishing to take risks, designed the green roof with an irrigation system. It is anticipated that the system will only be operated for a few days each year.



Aerial view of the Recycling Plant of Vertresa.

System Build-up



- Sedum plug plants
- Zincohum mulch layer on Anti-Erosion Net JEG
- Zincolit®, ca. 100 l/m²
- Filter Sheet SF
- Floradrain® FD 25-E
- Protection Mat SSM 45
- Roof construction with root resistant waterproofing



The terrace on the green roof was installed for visitors.



The Zincolit® has been spread over the roof and is being covered by the Anti-Erosion Net.



The horizontal gravel strips are clearly visible, under which the roof drainage is hidden.



The roof is almost fully covered by a carpet of Sedums.

