



Like blooming hills the houses appear in the green surrounding of Vathorst.

Project Data

Area: ca. 140 m² per house

Construction Year: 2004–2006

Architect/Design:
GALIS Architectenburo bna, Delft

Contractor:
Heijmans Sport en Groen

System Build-up:
"Sedum Carpet" with Floraset® FS 75

Coordinates:
52°11'47.84"N 5°24'45.10"E

Conception

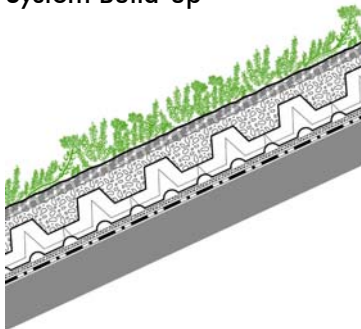
In Amersfoorts development area "Vathorst" 8 so called "Terpwoningen", with very special roofs have been built. The roof areas of the houses are tilted "egg-shaped" on the northeast side to the ground. Here the roofs have been planted with a low-maintenance sedum carpet down to a slope of more than 30 degrees. To guarantee a long lasting function of the green roof the drainage element Floraset® FS 75 was installed,

which allows for a good interlocking of the substrate and transfers the shear forces into a stable up-stand. The rest of the building was landscaped with creepers and climbing plants, meanwhile the houses blend perfectly with the green surroundings. The project was very successful, because the houses were completely sold out in a few weeks. The construction of additional eight villas is now underway.

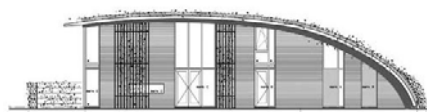


The gap between the roof and the ground will be closed during time by climbing plants.

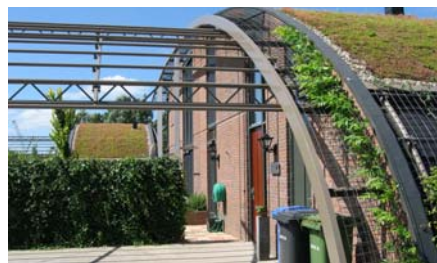
System Build-up



- Vegetation Mat "Sedum Carpet"
- System Substrate "Sedum Carpet"
- Floraset® FS 75
- Protection Mat BSM 64
- Roof construction with root resistant waterproofing



Left and right of the entrances, as well as above, are trellis for climbing plants available.



Trellis and espaliers are also placed between the buildings and above the carports.



At the moment the housing development consists of eight houses; further eight are under construction.

