

International Green Roof Association Global Networking for Green Roofs



Project Data

Project:	"Barrel Roof"
Client:	Zoller
Location (City, Country):	Vaihingen, Germany
Year of Construction:	1998
Roof Size:	100 sqm
Slope:	0-25°
Building Type:	Residential
Green Roof Type:	Extensive
Vegetation:	Sedum, grasses, herbs
Architect/Designer:	-
Contractor:	Roof gardener Hans Schmid

"Barrel Roof"

The new building of the Zoller residential/ company domicile was intended to be the company showpiece as well. Therefore, the building was fitted with solar collectors on the South side, while the roof has been provided with a green roof in the higher, gently sloping areas, and in the lower, steeper area with a metal covering with standing seams. Because of the difficult access, the green roof had to be of permanent, low maintenance while still rooted enough to prevent erosion either by wind or rain.

As an additional protection measure against shear forces, lines of supporting steel pipes were laid parallel to the eaves and installed within the green roof area. They were anchored and sealed onto the subconstruction of the roof, and retain the substrate by means of perforated plate profiles of stainless steel fixed anteriorly.

