

New construction garden hall Zellweger, Thun

2002



The client was looking for a solution for the roofing of their seating area. They wanted a more unusual solution than purlins and rafters. The situation allowed 2 line supports on 2 masonry walls at right angles to each other and a point support on a pendulum support.

The project

The conditions proved to be ideal for the application of a Timbatec® Mikkado® support grating. Also because this was the third application of this new system and therefore no more 'teething problems' were to be expected.

The construction

The girder grid was prefabricated and folded in the factory in order not to exceed the transport width of 2.50 m. The girder grid was erected on site. On site, it was unfolded, the reinforcing beams were installed and assembled as a whole. As the structure was exceptionally light, it could be swung into place using a light truck-mounted crane with a 16 m jib.



Lifting girder grid



Fold out girder grid on flat surface and install edge and reinforcement girders



Unloading the beam grate



Delivery folded support grate

Construction Data

- Size 6.00 m 4.00 m
- Beam height 20 cm
- beam width 8 cm
- Flat roof designed as girder grid
- According to expected deflections, raised at certain points

Architect

Zellweger Architekten AG
3600 Thun

Timber construction

Beer Holzbau AG
3072 Ostermundigen