

# Bergheim, Tägerwilen

2016

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The Bergheim residential building in Tägerwilen, Thurgau, was constructed largely in wood. Special attention had to be paid to sound insulation for the four condominiums in the new building.

## The project

The Bergheim residential building in Tägerwilen, not far from Frauenfeld, is a replacement building for a single-family house that previously stood on the same site. The new four-story building on Oberdorfstrasse now contains four large 4.5-room condominiums. Each apartment occupies an entire floor and has an area of 167 m<sup>2</sup>. Characteristic of the building are the spacious rooms. They are flooded with light, and the exposed wooden ceilings provide a pleasant living environment.

## The construction

The basement with the integrated parking, the cellar compartments and the disposable rooms as well as the staircase were built of reinforced concrete. Everything above ground level is made of wood: For the first floor and the other floors, the exterior and interior walls as well as the floor slabs are made of solid wood. The walls are made of cross laminated timber, the ceilings are made of diagonal dowel wood.

## The challenge

The client, who had a wooden building constructed for the first time with the Bergheim, placed great value on sound insulation for the four condominiums with a high standard. The high sound insulation requirements were met by weighting the ceiling with chippings. With success: the sound measurements carried out revealed very good results, and the Bergheim residents can look forward to a quiet new home.



Bergheim: Space for four spacious condominiums

### Construction Data

- Exterior walls of cross laminated timber 600 m<sup>2</sup>
- Interior walls of cross laminated timber 830 m<sup>2</sup>
- Ceilings from diagonal dowel wood DD 670 m<sup>2</sup>

### Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- Statics and construction
- SIA Phase 51 Implementation project



During the construction work: Load-bearing exterior walls made of solid wood

### Timber constructor

Sohm AG Switzerland  
9443 Widnau

### Architect

Entenmann Architektur GmbH  
8597 Landschlacht

### Client

Immo Harvest GmbH  
8597 Landschlacht

### Timber construction engineer

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