

# New construction 8 DEFH Tobelbach, Ottenbach

2002

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The client planned to build a spacious housing estate in Ottenbach in wood. The aim was to create a reference for modern buildings in optiholz board stack construction.

## The project

The entire building was constructed using the board stack method. Exterior walls, interior walls, building partition walls, but also ceilings and roofs including hatches were built in this construction method. Attention was paid to the building partition wall. In order to meet the high sound insulation requirements, it was designed as a double-shell construction.

## The construction method

By placing the complete insulation layer on the outside, it was also possible to apply the vapor retarder to the outside of the board-stack walls. This provided safety and controllability with regard to the air tightness of the building envelope. The board stack walls and ceilings were all covered with gypsum fiberboard and painted white. An impressive project made of local wood - economical and competitive.



Roof construction with optiholz board stack modules



Hatch from inside



Interior wall



A view of the living room in the shell

#### **Construction Data**

- Number of housing units: 4x2

#### **Services of Timbatec**

- Statics and construction

#### **Timber Construction Engineers**

Timbatec Holzbauingenieure Schweiz AG, Thun  
3600 Thun

#### **Architect**

Fux Rainer  
8905 Arni AG

#### **Timber construction**

Koller E. Zimmerei AG  
8917 Oberlunkhofen

#### **Building owner**

Baugesellschaft Tobelbach c/o Sägerei Sidler AG  
8917 Oberlunkhofen