

# Wooden housing estate Muttimatte, Brügg

2016

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The Muttimatte housing estate for communal living in the second half of life in Brügg is largely made of wood. This makes the settlement of the Biel-based housing cooperative biwog one of the largest timber construction projects in the region at present.

## The project

The "Hausgemeinschaft 2. Lebenshälfte Muttimatte" aims to enable people over 60 to live a community-oriented, self-determined and individual lifestyle. The residents of the settlement in Brügg near Biel should be able to live independently in their own living environment for as long as possible. The 27 apartments have 2.5 to 3.5 rooms and are between 46 m<sup>2</sup> and 75 m<sup>2</sup> in size. All areas are threshold-free and wheelchair-accessible.

## The construction

The basement including the parking garage, the stairwell and the elevator shaft are made of solid construction. The 3 upper floors are mainly made of wood: load-bearing exterior walls, floor slabs and the roof. The floor slabs are constructed with box girder elements and reinforced with steel beams. The reason for this is the non-load-bearing interior walls, built using lightweight construction methods. They can be moved as required if people want to change the layout of their home.

## The challenge

On the first floor of the buildings, the generously proportioned and projecting flower windows are striking. The residents should be able to sit on the ledges. The projecting windows therefore placed special demands on the statics. The challenge was to transfer the loads of the projecting windows into the wall.



Neighborhood coexistence is specifically promoted



Threshold-free and handicapped accessible: suitable for seniors



Hatch windows as an architectural expression



Plenty of space for meetings in the corridors

### Construction Data

- Solid and wooden construction
- Hollow box elements reinforced with steel girders
- Interior walls in lightweight construction

### Construction costs

- BKP 1-5: 13.7 Mio.
- BKP 2: 12.7 Mio.
- BKP 214: 7.05 Mio.

### Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- cost estimate
- Fire protection planning
- Site supervision and site inspections
- Statics and construction
- SIA Phase 51 Implementation project

### GU/woodworker

Stuber & Cie AG  
3054 Schüpfen

### Architect

Kaufmann Partner Architektur AG  
2557 Studen

### Client

Bieler Wohnbaugenossenschaft biwog  
2503 Biel

### Architect / Photography

Bauart Architekten und Planer AG  
3008 Bern

### Timber construction engineer

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