

Giessliweg extension, Basel

2023



The apartment building was extended by three floors and forms the end of a row of houses from the 1980s. We were allowed to accompany englerarchitekten gmbh sia in the planning of the timber construction as specialist planners.

The project

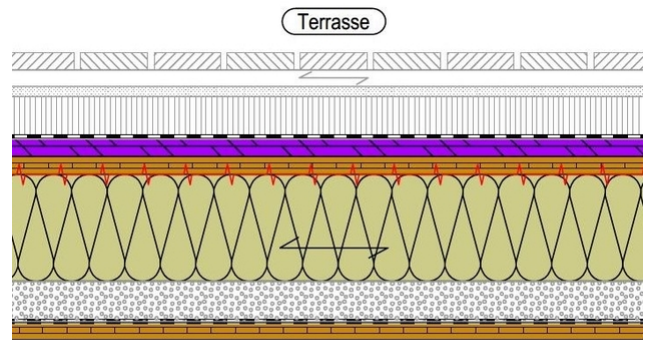
Recognizing the qualities of existing buildings and building on this basis is an important task for architecture. Inward settlement development has several advantages: it stops urban sprawl and saves grey energy because fewer new building materials are needed. Well renovated buildings are often comparable to new buildings from an energy point of view and satisfy the needs of the users. The Giessliweg extension in Basel is a good example of inner densification.

The construction method

Hollow box elements with a spilt filling and mineral wool in the ceiling element were chosen for the construction of the floor ceilings. These wooden ceilings remain visible in the apartments and give the rooms a pleasant, homely atmosphere. The construction also performs very well in terms of acoustics. Acoustic measurements prove that the increased requirements are met in this building. On the one hand, this testifies to a good construction of the ceiling, and on the other hand to a clean execution of the construction work. When buildings are ring-horny, this is often due to poor workmanship. This is because sound seeks its way through leaky joints, fasteners that have been driven in too deeply or incorrectly installed setting strips of underlay floors.



Terrace 3rd floor



Wohnung

Terrace structure 3rd floor



Longitudinal section of the extension



Cross section of the extension

Construction Data

- Building volume: 1975 m³ (according to SIA 416)

Construction costs

- Total costs BKP 1–9: CHF 2.7 Mio.
- Building costs BKP 2: CHF 2.5 Mio.
- Cubic meter price: 1265 CHF/m³

Services of Timbatec

- SIA Phase 21 Structural review
- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- Acoustic measurements

Architect

englerarchitekten gmbh sia
4051 Basel

Timber construction engineer

Timbatec Holzbauingenieure (Schweiz) AG Bern
3012 Bern

Timber construction

Hürzeler Holzbau AG
4312 Magden

Photography

Nic Hahne Photography
Allschwil