Passive house Caldonaazzi, Austria

Picture source: AEE INTEC
Passive house Caldonazzi,
Single-family house with solar collectors integrated in the façade

**PROJECT**

This very first Austrian Passive House was built in 1995/1996 in Vorarlberg by the architect Richard Caldonazzi.

This house has no conventional heating system. The energy concept is based on:
- Loss minimization by means of very good insulation
- Passive solar energy
- Energy from solar collectors

The south facing wall is a 100% solar facade: 75% Solar-passive (windows) and 25% solar-active (façade integrated solar collectors).

The wall construction is noteworthy. Outside, a thermal cork insulation film is attached to the brick walls, interior walls consist of rammed clay between the wooden posts.
Key figures

- Gross area: 400 m²
- Heated area: 180 m²
- 17 m² façade integrated solar collectors
- 3500 l water heat store
- Auxiliary heating: not necessary
- Building costs: 1.420 Euro/m²

The solar system is a combined system, contributing to both domestic hot water preparation and space heating.

**Solar collector:**
Glazed flat plate water collector
Collector producer: Helmut Rosskopf
GALLERY

PHOTOS: AEE INTEC

- Built/Completion: 1996
- Builder: Martin Caldonazzi
- Architect: BM Ing. Richard Caldonazzi
- Construction: Holzbau
- Address/Location: Amerlügen, Vorarlberg, Austria
- Type of project: Single-family house

Read more: http://oekonews.ch/index.php?mdoc_id=1003491