

Object name

Kindergarten Baden / Biondekgasse**Austria**

Object photo



Object description

As if the last available space had been wrested from the suburban settlement area, this property is situated behind single-family homes. The existing concrete wall at the Northern property boundary carries the roof under which the kindergarten stretches out. Individual functional areas, accommodated in loose order to find protection against wind and weather, like little houses.

The interior arrangement takes up the principle of „square – alley – house“: the entrance opens towards the first small square situation, the alley leading to the houses. Between the kids' restaurant and the exercise room there is a public space which can be linked to become one unit by opening the big sliding walls. Here a street-side restaurant can be created, a market square, a festival square.

The groups develop towards the outside like individual houses, with two groups each being linked by galleries which, at the same time, provide generous lighting.

The building rests on a reinforced concrete slab mounted on a layer of foam glass ballast. The rising walls are largely built in wooden frame work. The roof construction rests on a series of pillars and is also made of lightweight timber.



Visualisation: JORDAN [architektur & energie]

Fact sheet

Kindergarten in 2500 / Baden

| | |
|----------------------|----------------------|
| Treated Floor Area | 1.059 m ² |
| Number of apartments | --- |
| Completion date | 2009 |

Energy standard [PHPP]

| | |
|--|-------------------------|
| Heat requirement / year | 15 kWh/m ² a |
| Heat load | 11 W/m ² |
| Primary energy requ. | 31 kWh/m ² a |
| Air-tightness (n ₅₀ -value) | --- 1/h |
| Building type | Wood construction |

U-value

| | |
|-----------------------------|-------------------------|
| Exterior wall | 0,10 W/m ² K |
| Roof | 0,08 W/m ² K |
| Basement floor / Floor slab | 0,10 W/m ² K |
| Windows / average | 0,70 W/m ² K |

Specification ventilation system

Central system

Heating installation

Floor heating with district heating

| | |
|--------------------|---------------------------|
| Construction costs | 2.428 Euro/m ² |
|--------------------|---------------------------|

Building owner

Immobilien Baden GmbH & CoKG

Architect/Planner

JORDAN [architektur & energie]
St. Valentin www.jordan-solar.at

Photo credits

Thomas Wimmer MAS / St.Valentin