

Object name

**Wohnen bei St. Jakob**



**Germany**

Object photo



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Object description

The multi family dwelling was built in Frankfurt 2002. Two houses, one orientated north and evaluated concerning passive house standard, are recorded in a study of PHI (Passive House Institute, Darmstadt)

Although orientated north the building offers a maximum of comfort according to passive house standard.

Fact sheet

**Multi family dwelling, 60487 / Frankfurt**  
Treated Floor Area 1927 m<sup>2</sup>  
Number of apartments 19  
Completion date 2002

**Energy standard [PHPP]**

Heat requirement / year 13 kWh/m<sup>2</sup>a  
Heat load -- W/m<sup>2</sup>  
Primary energy req. -- kWh/m<sup>2</sup>a  
Air-tightness (n<sub>50</sub>-value) 0,3 1/h  
Building type mixedy construction

**U-value**

Exterior wall 0,11 W/m<sup>2</sup>K  
Roof 0,10 W/m<sup>2</sup>K  
Basement floor / Floor slab 0,12 W/m<sup>2</sup>K  
Windows / average 0,8 W/m<sup>2</sup>K

**Specification ventilation system**

Vallox KWD 90, (decentralized units)

**Heating installation**

Gas, specific system

Construction costs --Euro/m<sup>2</sup>

**Building owner**

Frankfurter Aufbau AG

**Architect/Planner**

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