

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 m²
Number of apartments 19
Completion date 2002

Energy standard [PHPP]

Heat requirement / year 13 kWh/m²a
Heat load -- W/m²
Primary energy req. -- kWh/m²a
Air-tightness (n₅₀-value) 0,3 1/h
Building type mixedy construction

U-value

Exterior wall 0,11 W/m²K
Roof 0,10 W/m²K
Basement floor / Floor slab 0,12 W/m²K
Windows / average 0,8 W/m²K

Specification ventilation system

Vallox KWD 90, (decentralized units)

Heating installation

Gas, specific system

Construction costs --Euro/m²

Building owner

Frankfurter Aufbau AG

Architect/Planner

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