

Object name

Riedbergschule**Germany**

Object photo



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Object description

The elementary school and the kindergarten in Frankfurt was built in Passive house standard. A new urban settlement required this public offer and therefore this new building. The building achieves passive house standard and was certified: "Quality Approved Passive House, Dr. Wolfgang Feist".

The building offers a maximum of comfort for the pupils and teachers by a minimum of operating costs.

Fact sheet

School in 60439 / Frankfurt

Treated Floor Area	8000 m ²
Number of apartments	--
Completion date	2004

Energy standard [PHPP]

Heat requirement / year	15 kWh/m ² a
Heat load	-- W/m ²
Primary energy req.	59 kWh/m ² a
Air-tightness (n ₅₀ -value)	0,46 1/h
Building type	masonry construction

U-value

Exterior wall	0,17 W/m ² K
Roof	0,11 W/m ² K
Basement floor /	0,21 W/m ² K
Floor slab	
Windows / average	0,8 W/m ² K

Specification ventilation system

Menerga, 3 Units

Heating installation

Biomass

Construction costs --Euro/m²**Building owner**

City of Frankfurt

Architect/Planner

4a Architekten

Photo credits

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