

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 <sup>2</sup>
Number of apartments	--
Completion date	2004

**Energy standard [PHPP]**

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

**U-value**

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

**Specification ventilation system**

Menerga, 3 Units

**Heating installation**

Biomass

Construction costs --Euro/m<sup>2</sup>**Building owner**

City of Frankfurt

**Architect/Planner**

4a Architekten

**Photo credits**

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