Object name

Terrace houses Židlochovice II.

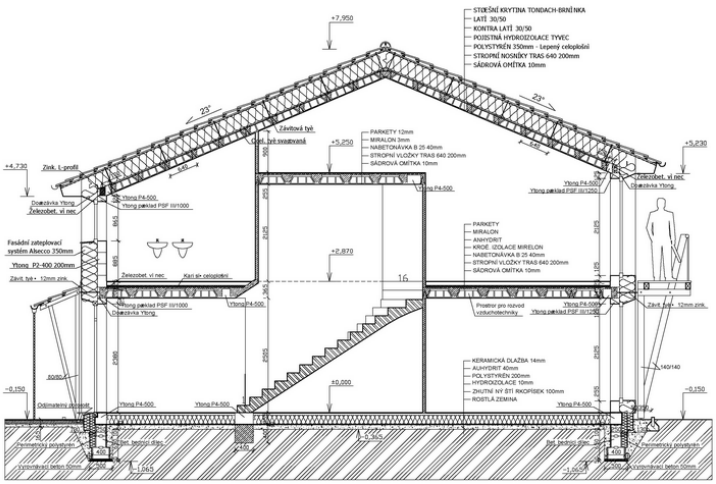
Czech Republic

Object photo

Object description

In the small town Židlochovice near Brno in neighbourhood of an local castle`s park has grown new passive terrace houses. The houses are built as a continuance of successful I. part development finished in 2006.

The house is designed as two-storied with pitched roof, where all the space is used perfectly. The houses are little bigger compared to the previous period. Construction of a house is massive, built of aeroconcrete insulated with polystyrol, with massive concrete ceilings, base slab and roof. This construction helps the house get the thermal stability, where also in a summer heats the houses are comfortable with the temperatures under 25 ℃.



Fact sheet

Terrace houses `Zidlochovice II.

Treated Floor Area	137 m²
Number of apartments	8
Completion date	2008

Energy standard [PHPP]

Heat requirement / year	13 kWh/m²a
Heat load	12 W/m²
Primary energy requ.	83 kWh/m²a
Air-tightness (n_{50}-value)	0,6 1/h
Building type	Aeroconcrete, concrete

U-value

Exterior wall	0,10 W/m²K
Roof	0,09 W/m²K
Basement floor / Floor slab	0,15 W/m²K
Windows / average	0,72 W/m²K

Specification ventilation system
Central System

Heating installation
solar collector

Construction costs 940 Euro/m²

Building owner
Passive house, s.r.o.

Architect/Planer
Petr Mareček

Photo credits
Centrum pasivního domu