

Object name

Schoolbuilding, Beernem**Belgium**

Object photo



Object description

The passive school is the first phase of a masterplan to extend and reorganise the Beernem secure care prison facility, part of the Belgian juvenile justice system. The total masterplan includes the school, but also a sports hall and multiple housing blocks for the residents, all planned in passive standard.

The school building houses classrooms, practice rooms and a kitchen for 40 girls. The building contains no circulation areas, all corridors are external, between the robust wooden sunscreens and the classrooms themselves.

Fact sheet

Schoolbuilding in 8730 / Beernem

Treated Floor Area	701 m ²
Number of apartments	---
Completion date	2006

Energy standard [PHPP]

Heat requirement / year	10 kWh/m ² a
Heat load	14,2 W/m ²
Primary energy requ.	- kWh/m ² a
Air-tightness (n ₅₀ -value)	0,59 1/h
Building type	Timber construction

U-value

Exterior wall	0,13 W/m ² K
Roof	0,10 W/m ² K
Basement floor /	0,14 W/m ² K
Floor slab	
Windows / average	0,55 W/m ² K

Specification ventilation system

Central System

Heating installation

Condensing gas boiler

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

De Zande

Architect/Planner

BURO II

Photo credits

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