

Object name

**Skogslunden, Stockholm****Sweden**

Object photo



Object description

The Nursery school Skogslunden in Österåker are under construction. The school building is going to be 1012m<sup>2</sup> with bright and open rooms that stimulate motion and learning, and will be able to have 90 school children. The building facade will have thick insulated walls and solar panels. The roof faced will have sedum that binds dust and reduce the amount of rainwater to the surface water system. Hot water will be produced by the solar panels and pellet. The project started in September 2009 and will be finished in May 2010.

Isolation thickness:

walls:	395 mm
roof:	500 mm
floor over crawl	350 mm
space:	

Fact sheet

**Nursery school in Stockholm**

Treated Floor Area	1012 m <sup>2</sup>
Number of apartments	-
Completion date	2010

**Energy standard**

[Swedish criteria incl. an indoor temp of 22°C]

Heat requirement / year	15 kWh/m <sup>2</sup> a
Heat load	10 W/m <sup>2</sup>
Primary energy requ.	- kWh/m <sup>2</sup> a
Air-tightness (n <sub>50</sub> -value)	0,14 1/h
Building type	Wood construction

**U-value**

Exterior wall	- W/m <sup>2</sup> K
Roof	- W/m <sup>2</sup> K
Basement floor /	- W/m <sup>2</sup> K
Floor slab	
Windows / average	0,7 W/m <sup>2</sup> K

**Specification ventilation system**

Mechanical ventilation with heat recovery (MVHR)

**Heating installation**

Geothermal heating and sunpanel

Construction costs - Euro/m<sup>2</sup>

**Building owner**

Armada Fastighets AB

**Architect/Planner**

BleckArkitekter AB

**Photo credits**

Passivhuscentrum