House Oedegaard, Bærum, Norway

Photo: Aventa AS

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Single-family house with solar collectors integrated in the façade

PROJECT

House Oedegaard is a modern brick house with solar collectors integrated as a part of the south façade. It is located in Bærum, 2 km outside of Oslo. Solar energy is utilized for both hot water preparation and space heating. A low temperature water-based floor heating system is used for space heating.

Auxiliary heating is provided by a biomass burner.

Collector area :	12 m^2,
Heat store:	750 + 500 litre, water
Auxiliary heating:	biomass

Photo: Aventa AS

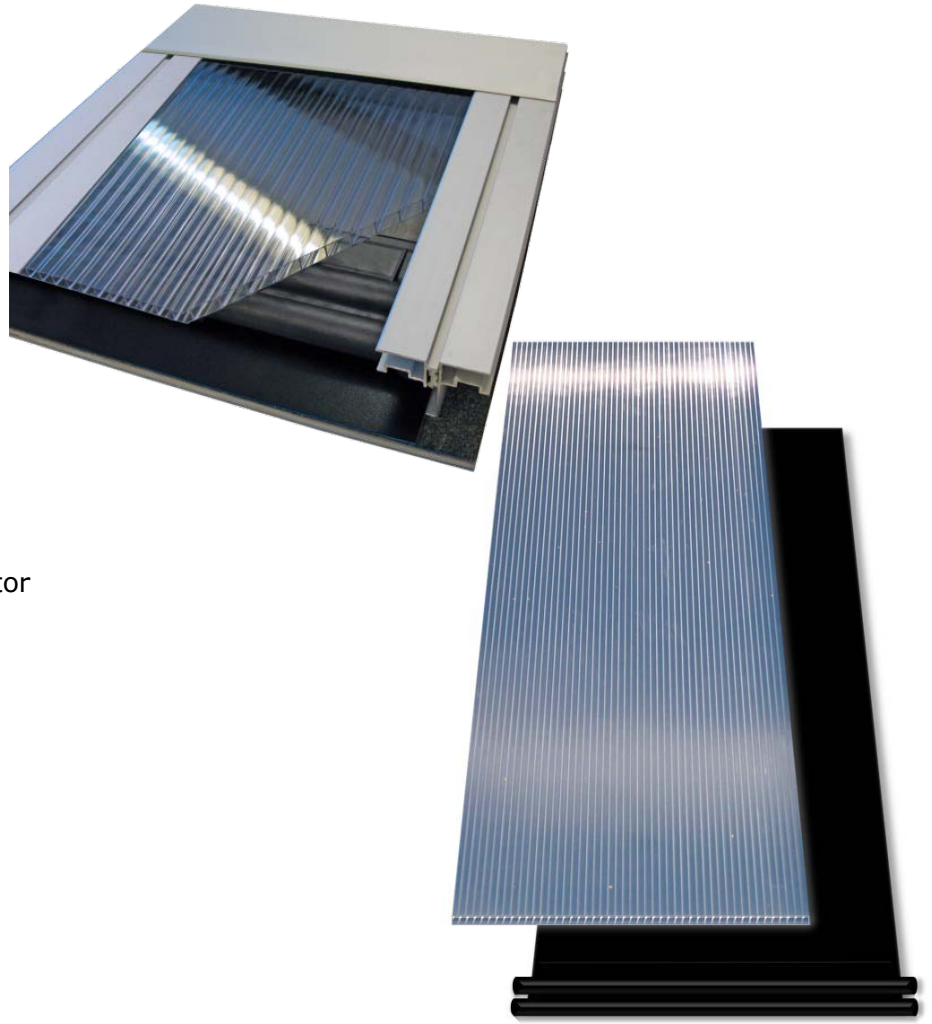
SOLAR COLLECTOR

Type:
Flat plate polymer collector
AventaSolar

Dimensions:

Width:	600 mm,
Depth:	66 mm,
Length:	various
Weight:	without water;5,5 kg/m^2, water filled;8,7kg/m^2

More info about the solar collector:
www.aventa.no/index.php?/eng/Solar-Energy/AventaSolar-solar-collector



ECONOMY

Calculated solar energy cost is about 0,60 NOK/kWh (7,3 €cent/kWh).

GALLERY

PHOTOS; Aventa AS

- Completed:
  2010
- Architect:
  Civil architect MNAL Erik Ødegaard
- Client:
  Stein Oedegaard and Elin Melby
- Address:
  Fagertunveien 54 B,
  1357 Bekkestua
- Location:
  Oslo, Norway
- Project period:
  2008-2010
- Type of project:
  single-family house