

Horgau, Germany



Photo:Thermosolar

Architectural integration of solar thermal energy systems

Horgau, Germany

School building

PROJECT

28 m² of solar collectors are integrated into the south facing façade. The solar system is delivered by THERMO/SOLAR Ziar.

The solar collectors are designed especially for horizontal installation. Thus they can easily be used as handrails on balconies or established on flat roofs of high buildings where vertical collectors would be overloaded by wind.



Photo:Thermosolar

SOLAR COLLECTOR

Type:
Flat plate metal collector
TS 330 (producer THERMO/SOLAR Ziar)

Dimensions (mm): 2009 x 1009 x 75
Weight (kg): 37
Efficiency (η_0 ($\Delta T=0$ K) %): 74 (aperture)

Read more about the collector:
http://www.thermosolar.sk/stara_stranka/aa-eng.htm

ECONOMY

Collector prize; 567€ /2009
Solar gain; 14 000 kWh/year/system

