AGRISOL self-building course in Armeno

Course data

Place	Cascina La Valle 16 di Giuseppe Enzio 28011 Armeno (NO) Piemonte
Date	25. - 26. November 2000
Number of participants	9
Objective	Deepening the knowledge of potential self-building group leaders

Description of the object

Building	Farm building (future holiday farm for at maximum 6 guest)
Place	see above
Living area	approximately 200 m²
Family	4 persons

Description of the plant

Type of plant	Solar heating system for combined domestic hot water preparation and space heating
Type of collector	Self-building flat plate collector
Collector area	8 m^2
Inclination	25 °
Azimuth	south-south-est
Type of store	Tank-in-tank store
Store volume	600 l

Energy savings and cost

Energy savings	5 600 kWh/a
Fractional energy savings	f_{sav} = 70 % for hot water preparation f_{sav} = 25 % for hot water preparation and space heating
Total system cost (hardware) incl. VAT	3 000 Euro

Photo documentation

The completed system

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Preparation of the roof

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Preparation of the frame

Mounting of the frame

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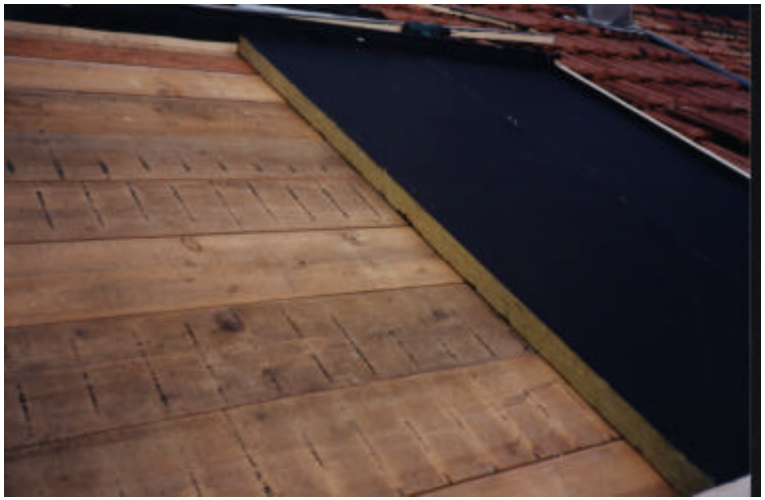
Mounting of the L-Profile

Drill hole for the collector outlet

Drill hole for the vent valve



Collector insulation

Glass Support angles

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Mounting of the absorber

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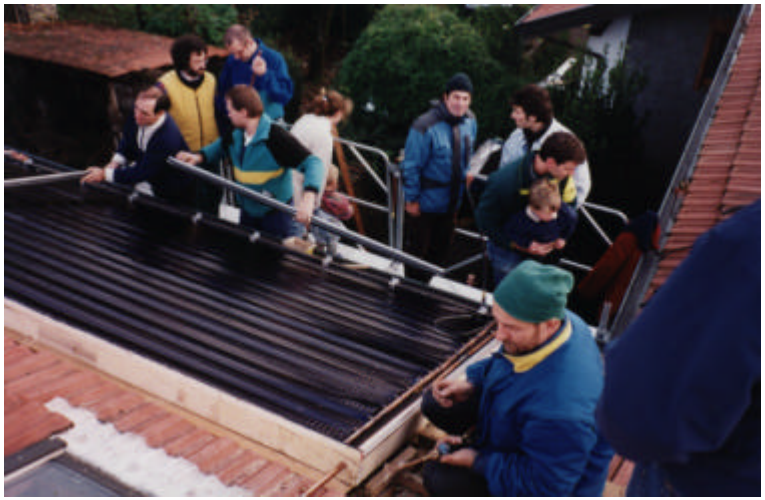
Glass support profiles

Self-buiding group



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Glass support profiles

Lower Glass Sealing

Mounting of the glass

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Completed collector

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