

## Social housing in Paris, France



Photo: G. Kalt

Architectural integration of solar thermal energy systems

## Social housing in Paris, France

17 social housing units with solar collectors nicely integrated into the façade

### PROJECT

In Paris, opposite the metro station Barbes, the agency Philippon-Kalt Architects has delivered the first building of social housing with a facade made out of solar panels. The building consists of seventeen housing units. The solar panel façade traps solar energy to produce enough power to meet 40% of the domestic hot water needs.

The double skin façade offers not only complete privacy from the passengers commuting by the Skytrain, but it also restricts the noise flow from the Boulevard de la Chapelle.



Photo: L. BOEGLY

### **Key figures**

Total area; 1,490 sqm

- 12 social housing units and 5 town houses.

### **Heating system**

The solar system is used for domestic hot water preparation. The solar collectors provide 44% of domestic hot water needs.

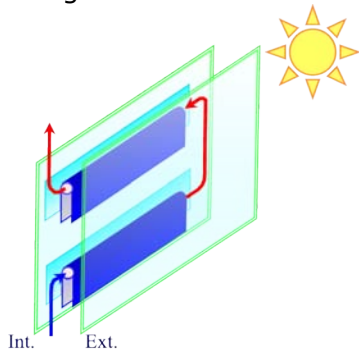


Photo: G. Kalt and J. Bracco

## SOLAR COLLECTOR

Type:  
Building integrated Glass/ Glass solar thermal collector  
Robin Sun - Model H-1292 (Standard)  
Solar Keymark: 011-7S918

- Dimensions:  
1292 \*1016\*44 mm
- Weight:  
45kg



More info about the solar collector:  
[www.robinsun.com](http://www.robinsun.com)

## Functions:

- Domestic hot water
- Solar protection
- Acoustic insulation
- Glass balustrade

Photo:ROBIN SUN





## GALLERY



### PHOTOS;

G. Kalt and J. Bracco

- Built/Completion:  
2010
- Client:  
SIEMP
- Architects:  
PHILIPPON - KALT Architectural Ltd
- Address/Location:  
100 Boulevard de la Chapelle,  
Paris, France
- Type of project:  
social housing;  
Collective of 12 homes and 5  
townhouses



Read more; <http://muuz.com/2010/05/18/logements-collectifs-par-philippon-kalt/en/>