

Penthouse Wien, Vienna, Austria



Photo:Viessmann

Architectural integration of solar thermal energy systems

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Penthouse WEG with solar collectors used as sun shades

PROJECT

Penthouse Weg is a modern 2 flat penthouse, located in Vienna. Solar collectors are installed at the roof terrace providing domestic hot water for both flats.

The design of the vacuum tube collector fits very well to the modern roof landscape. Besides being energy deliverers, the collectors serve as sunshades.



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Key figures

| | |
|--------------------|--|
| Living area: | 179 m ² + 185 m ² |
| Total heat demand: | |
| Energy sources: | solar collectors, gas burner and electricity |
| Collector area : | 2 x 2,88 m ² , |
| Heat store: | 300 litres |
| Auxiliary heating: | gas burner |

Heating system

The solar-system is used for DHW preparation.



Photo: Viessmann

SOLAR COLLECTOR

Type:
Direct flow vacuum tube collector,
Vitosol 200, Viessmann

The Vitosol 200-T collector is ideal for installations in any location.

| Dimensions: | SD2A-2 | SD2A-3 |
|--------------------|---------------|---------------|
| Width (mm) | 1418 | 2129 |
| Depth (mm) | 143 | 143 |
| Height (mm) | 2043 | 2043 |
| Weight kg | 61 | 94,6 |

Read more about the solar collector:
www.viessmann.com/com/en/products/Solar_systems/Vitosol_200.html



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GALLERY



PHOTOS; Viessmann

- Built: 2005
- Architect: RaU Architekten, A-Wien
- Project management: Anke Uliczka und Manfred Rudy
- Address: Wilhelm-Exner-Gasse 4/7
- Location: Vienna, Austria
- Project period: 2004-2005
- Type of project: Penthouse



- Read more: <http://www.architec24.de/viessmann/live/projekte/tab/detail/52/0/0/104.html>