

PV BALCONY PARAPETS NEW CONSTRUCTION

The innovative energy harvesting technology installed in this project reduces **home running costs to almost zero**.

In this development the **photovoltaic material is discreetly integrated into the façade of the building and the balcony parapets**. The PV building material supplied for the balconies have a **white satin finish** on the front and black ceramic frit on the reverse for optimal aesthetics and integration.

Onyx Solar's innovative building material supply energy to homes throughout the year, which drastically **reduces the cost of running the apartments**. The surplus energy in summer is injected into the supply network.

This residential complex in Urdorf (Switzerland) is demonstrating how pioneering technology can allow tenants **to live comfortably with little or no electricity or heating costs**. It has the potential to be replicated because it contributes to the achievement of the federal energy strategy and also illustrates a method to counteract winter energy shortages.



TECHNICAL DATA

Nominal Power (Wp/m ²)	124 Wp/m ²
Visible Light Transmittance (VLT)	0%
Solar Factor (g-value)	0%
U value (W/m ² K)	N/A
U value (Btu/h ft ² °F)	0,96
Light Reflection (external)	8%



BACK TO START ▶



MORE INFO IN VIDEO



PV BALCONY PARAPETS & FAÇADE

CO₂ NEUTRAL RESIDENTIAL
URDORF, SWITZERLAND **BALCONY PARAPETS & FAÇADE**
HIDDEN CRYSTALLINE SILICON TECHNOLOGY

"This building is completely CO₂ neutral. Tenants pay no energy costs for household electricity, heating and cooling and they live plenty of comfort. This is ensured by the photovoltaic system on the roof, the facade and the balcony parapets."

René Schmid - Architect

**RENÉ
SCHMID
ARCHITEKTEN
AG**

