



Rely on it.

Energy neutral with pv installation and hot water panels..

RENOLIT ALKORPLAN



Low environmental impact...

CHALLENGE

All over the world architects and building owners are trying to **create buildings with a low environmental impact**. For this private house, the architect wanted to combine an **aesthetical finish** of a metal roof in combination with PV and hot water panels. The biggest issue for the architect was the fixing of these panels without having leak problems in the future.

SOLUTION

The roof was waterproofed using a **RENOLIT ALKORPLAN** roofing membrane that is mechanically fastened onto the supporting roof structure. Two kinds of PVC profiles were heat welded onto the waterproofing membrane: on the one hand

RENOLIT ALKORDESIGN profiles (for aesthetical value only), on the other hand there are **RENOLIT ALKORSOLAR** profiles, which function as the base to attach the hot water and the PV panels. The gable was also finished with the **RENOLIT ALKORDESIGN** system.

The end result is a roof with the appearance of a metal roof and the characteristics of a single ply membrane...

- No noise from cracking metal in the summer
- No noise from falling precipitation
- ... a strong base to fix the ecological panels without perforation, negating possible future leakage from the waterproofing cover.

PRIVATE HOUSE

- Scherpenheuvel, Belgium

PRODUCTS

- RENOLIT ALKORPLAN F
- RENOLIT ALKORDESIGN
- RENOLIT ALKORSOLAR

