

Modernisation of old buildings using Passive House components



After



Before



The advantages

- A comfortable home which is evenly warm everywhere
- Indoor air is always fresh
- Prevention of moisture and condensation
- Up to 90 % less heating demand
- Financial gain from day one

Measures:

- Very good thermal insulation
- Passive House windows
- Comfort ventilation with heat recovery
- Optimum airtightness
- Reduced thermal bridging

Certification:

- „Quality-Approved Passive House“
For achievement of the Passive House Standard (new constructions)
- „EnerPHit“
 - Quality-approved Modernisation using Passive House Components
 - For a slightly higher heating demand due to thermal bridges typically present in old buildings

Methods:

- either based on the heating demand of less than 25 kWh/(m²a)
- or based on the quality of the building component – consistent application of Passive House components



After



Before

Current certification criteria for old buildings
can be found here: www.passiv.de