

Reference Object Single-family House in Oberhausen-Rheinhausen, Germany: External Thermal Insulation

- Energy-efficient renovation of a single-family house built in 1972
- Building floor space: 300 m²
- Insulation thickness: 16 cm with WLG032
- Additional measures: new heating, new windows, solar heating (financed with state funding)
- Primary energy demand of natural gas: 17,642 m³/a
- Final energy demand: approx. 60 kWh/m² → approx. 35% of original demand
- Jürgen von Auenmüller, owner:

“The energy consumption after renovation exactly matches the predicted savings. My family and I are pleased, not only about the lower energy costs but also about the shower water heated by solar power and the feel-good atmosphere thanks to warmer walls. And we have a clear conscience because we are using much less in resources.”

