New Construction

Pivate Building in Perlé - Luxembourg
by Claude Lahr

Primary energy need : 43.09 kWhpe/m².an
(Calculation method : RGD du 30 novembre 2007 - bâtiment d'habitation)

ENERGY CONSUMPTION
Economical building

- Building Type : Isolated or semi-detached house
- Construction Year : 2012
- Delivery year : 2014
- Address 1 - street : 25 route d'arlon 8825 PERLé, Luxembourg
- Climate zone : [Cfb] Marine Mild Winter, warm summer, no dry season.

- Net Floor Area : 305 m²
- Construction/refurbishment cost : 750 000 €
- Number of Dwelling : 1 Dwelling
- Cost/m² : 2469.02 €/m²

General information

Construction of a single family private home in Perlé (Luxembourg)

Data reliability

Assessor

Stakeholders

Stakeholders

Function : Contractor
e2architecture SA
Claude LAHR
Energy

Energy consumption

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Envelope performance

Building Compactness Coefficient: 0.59
Indicator: EN 13829 - n50 » (en 1/h-1)
Air Tightness Value: 0.41

Renewables & systems

Systems

Heating system:
- Condensing gas boiler
- Solar thermal

Hot water system:
- Condensing gas boiler
- Solar Thermal

Cooling system:
- No cooling system

Ventilation system:
- Double flow

Renewable systems:
- Solar Thermal

Costs

Urban environment

Perlé is a part of the town of Rambrouch in Luxembourg located in the district of Diekirch and Redange.

Contest

Building candidate in the category
Coup de Coeur des Internautes