


## Private Building in Perlé - Luxembourg

by Claude Lahr / 2016-06-30 00:07:22 / Luxembourg / 10042 / FR



New Construction

Primary energy need :

### 43.09 kWh<sub>ep</sub>/m<sup>2</sup>.an

(Calculation method : RGD du 30 novembre 2007 - bâtiment d'habitation )

**ENERGY CONSUMPTION**

Consumption Range (kWh <sub>ep</sub> /m <sup>2</sup> .an)	Grade	Category
< 50	A	Economical building
51 à 90	B	
91 à 150	C	
151 à 230	D	Energy-intensive building
231 à 330	E	
331 à 450	F	
> 450	G	

Building **A**

**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 m<sup>2</sup>  
**Construction/refurbishment cost** : 750 000 €  
**Number of Dwelling** : 1 Dwelling  
**Cost/m2** : 2459.02 €/m<sup>2</sup>

### 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

Primary energy need : 43,09 kWh/m<sup>2</sup>.an

Calculation method : RGD du 30 novembre 2007 - bâtiment d'habitation

### 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

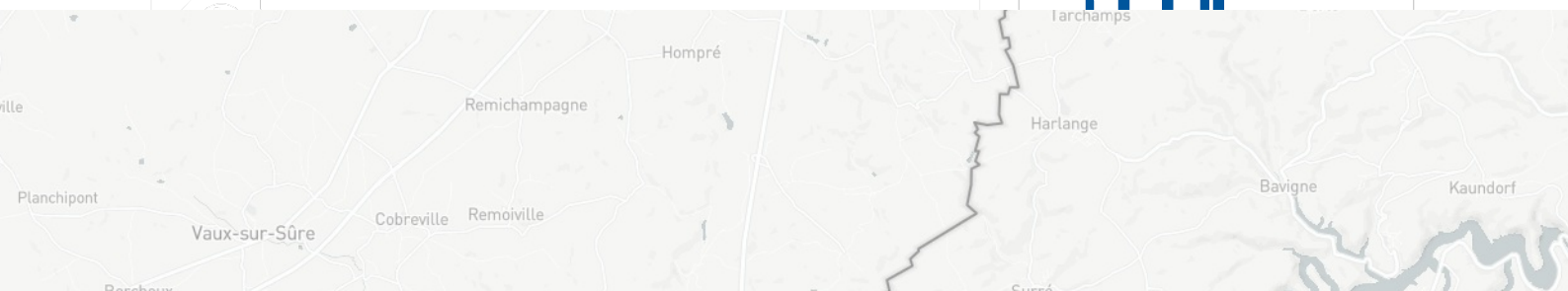
## Costs

### Urban environment

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

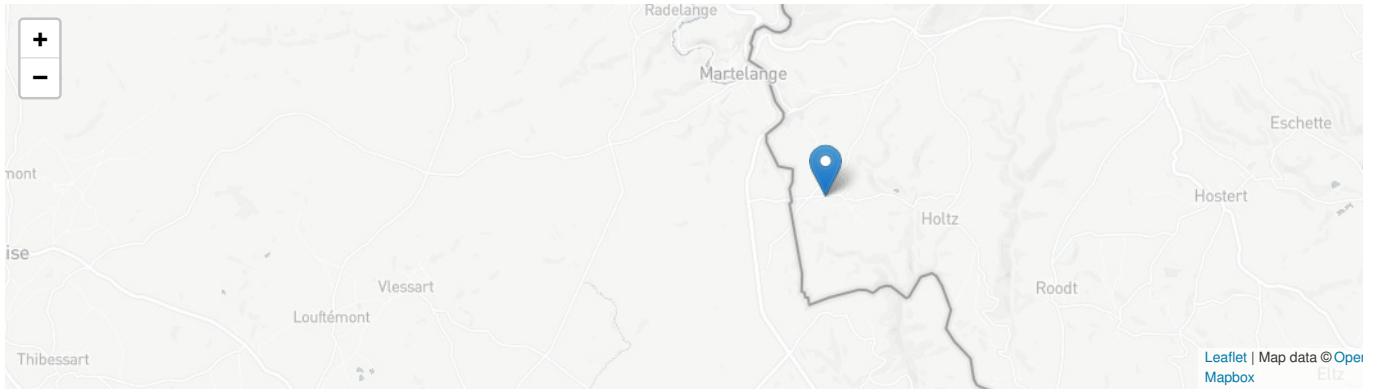
## Contest

### Building candidate in the category





Coup de Coeur des Internautes



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