


# Private Building in Perlé - Luxembourg

by [Claude Lahr](#) / © 2016-06-30 00:07:22 / Luxembourg / © 10175 / FR

**New Construction**



**Primary energy need :**  
43.09 kWhep/m<sup>2</sup>.an

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

**ENERGY CONSUMPTION**

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

*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

## Energy

### Energy consumption

Primary energy need : 43,09 kWhep/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

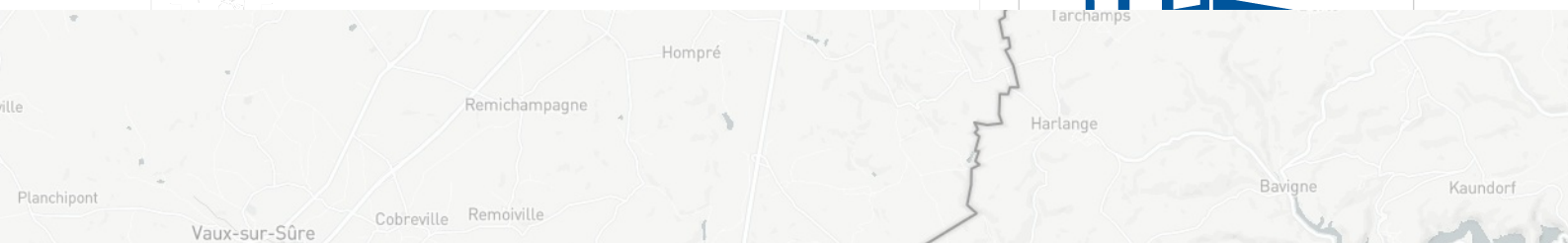
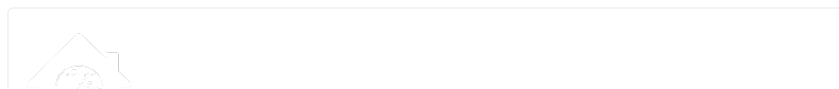
## Costs

### 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

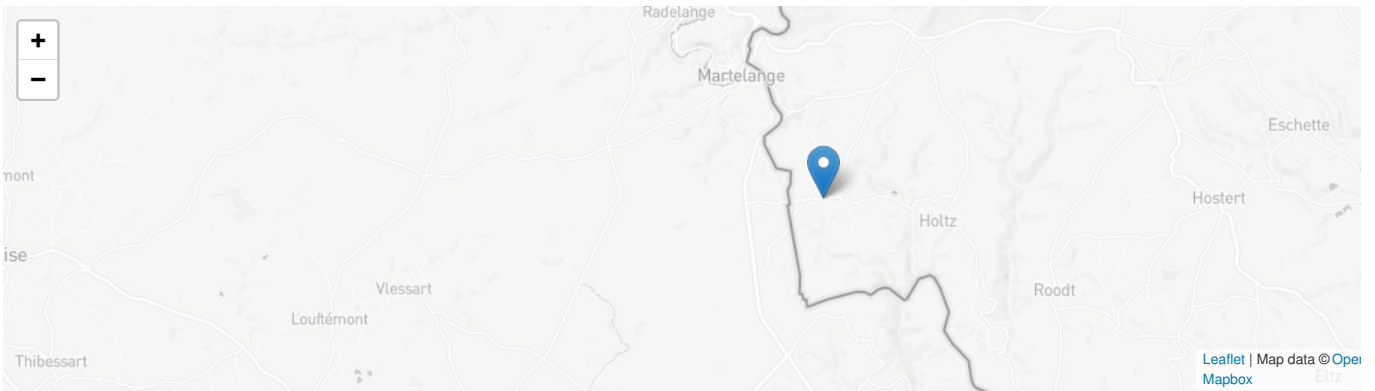


Bas Carbone

powered by  Construction21.org



Coup de Coeur des Internautes



Date Export : 20230629212448