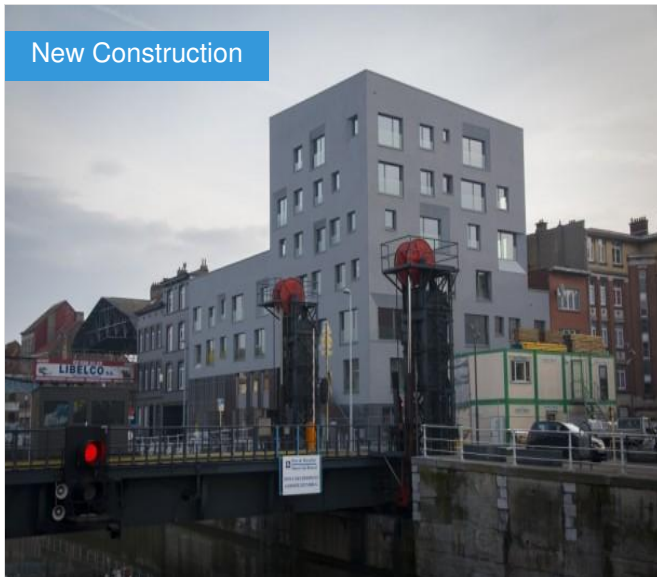


Liverpool

by Rodolphe Deborre / 2015-06-18 18:08:35 / Belgique / 8940 / FR



New Construction

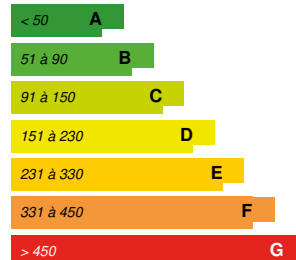
Primary energy need :

39 kWhep/m².an

(Calculation method : Other)

ENERGY CONSUMPTION

Economical building



Building

A

Energy-intensive building

Building Type : Collective housing > 50m
Construction Year : 2014
Delivery year : 2015
Address 1 - street : 1080 MOLENBECK, Belgique
Climate zone : [Cfb] Marine Mild Winter, warm summer, no dry season.

Net Floor Area : 2 000 m²
Construction/refurbishment cost : 4 500 000 €
Cost/m2 : 2250 €/m²

Certifications :



Proposed by :



General information

See more details about this project

http://www.architectura.be/fr/newsdetail.asp?id_tekst=10872

Data reliability

3rd part certified

Stakeholders

Function : Contractor

Beliris

<http://www.beliris.be/>

Function : Designer

B612 Associates

<http://www.b612associates.com/>

Function : Thermal consultancy agency

MK Engineering

Piotr Wierusz-Kowalski

<http://www.mkengineering.be/>

Contracting method

Other methods

Energy

Energy consumption

Primary energy need : 39,00 kWhep/m².an

Primary energy need for standard building : 100,00 kWhep/m².an

Calculation method : Other

Final Energy : 120,00 kWhep/m².an

Envelope performance

Envelope U-Value : 1,00 W.m⁻².K⁻¹

Indicator : n50

Air Tightness Value : 0,50

Renewables & systems

Systems

Heating system :

- Condensing gas boiler
- Combined Heat and Power
- Water radiator
- Fan coil

Hot water system :

- Condensing gas boiler
- Other hot water system

Cooling system :

- No cooling system

Ventilation system :

- Double flow

Renewable systems :

- Solar photovoltaic

Environment

Urban environment

Land plot area : 1 000,00 m²

Built-up area : 100,00 %

Green space : 300,00

Products

Product

Plateforme maison passive

Equipe PMP

<http://www.maisonpassive.be/index.php>

Product category : Table 'c21_spain.innov_category' doesn't exist SELECT one.innov_category AS current,two.innov_category AS parentFROM innov_category AS oneINNER JOIN innov_category AS two ON one.parent_id = two.idWHERE one.state=1AND one.id = '28'

Costs

Construction and exploitation costs

Renewable energy systems cost : 130 000,00 €

Total cost of the building : 4 500 000 €

Contest

Building candidate in the category



Bâtiment zéro énergie



**Green Building
Solutions Awards 2015**

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