

## Head Office Attijariwafa Bank

by Attijariwafa Bank AWB / 2017-06-06 16:46:16 / Maroc / 8371 / FR



Primary energy need :

**283** kWhep/m<sup>2</sup>.an

(Calculation method : RTCM )

### ENERGY CONSUMPTION

*Economical building*

*Building*

< 50 **A**

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*

**C**

**Building Type** : Office building < 28m

**Construction Year** : 2016

**Delivery year** : 2017

**Address 1 - street** : 163, Avenue Mohamed VI SOUISSI RABAT. 10170 RABAT, Maroc

**Climate zone** : [Csa] Interior Mediterranean - Mild with dry, hot summer.

**Net Floor Area** : 2 550 m<sup>2</sup>

## Certifications :



## General information

The project is the design of the new headquarters of ATTIJARI WAFA BANK, it is a building for office use which consists of a Ground floor (RDC) with a floor and a basement. The ground floor and the staircase consist of offices and meeting rooms, and the basement is a parking lot linked to the building.

The building has four façades, two of which are terraced with villas and one with a restaurant and the fourth overlooks Avenue Mohamed VI

## Data reliability

3rd part certified

## Stakeholders

### Stakeholders

Function : Contractor

Groupe Attijariwafa Bank

06 69 82 52 86

Head of Development & Project Management LAG

### Contracting method

Other methods

## Energy

## Energy consumption

Primary energy need : 283,00 kWh<sub>ep</sub>/m<sup>2</sup>.an

Primary energy need for standard building : 433,00 kWh<sub>ep</sub>/m<sup>2</sup>.an

Calculation method : RTCM

Final Energy : 113,00 kWh<sub>ef</sub>/m<sup>2</sup>.an

Breakdown for energy consumption :

Heating: 47711.40 Kwh / year cooling: 66671.11 Kwh / year Lighting: 123487.61 Kwh / year

Ventilation: 18826.28 Kwh / year Equipment: 158981.57 Kwh / year

## Envelope performance

Envelope U-Value : 0,93 W.m<sup>-2</sup>.K<sup>-1</sup>

More information :

External wall composition: • Mortar (dry weight 1300): 1.5 cm • Red brick 6 holes: 7 cm •

Unvented air blade: 13 cm • Red brick 6 holes: 7 cm • Mortar (Density 1300) : 1.5 cm

Indicator : EN 13829 - n50 » (en 1/h-1)

Air Tightness Value : 1,00

## Real final energy consumption

Real final energy consumption/m<sup>2</sup> : 113,00 kWh<sub>ef</sub>/m<sup>2</sup>.an

## Renewables & systems

### Systems

Heating system :

- VAV System

Hot water system :

- No domestic hot water system

Cooling system :

- VRV Syst. (Variable refrigerant Volume)

Ventilation system :

- Double flow

#### Renewable systems :

- No renewable energy systems

RENEWABLE ENERGY Not included in project

## Smart Building

#### BMS :

Presence detectors, Security lighting, Lifts,

## Environment

### GHG emissions

#### Methodology used :

Dynamic thermal simulation

GHG before use : 107,00 KgCO<sub>2</sub> /m<sup>2</sup>

Building lifetime : 50,00 an(s)

Dynamic thermal simulation, HQE repository

### Water management

Consumption from water network : 1 061,00 m<sup>3</sup>

Water Consumption/m<sup>2</sup> : 0.42

The building is powered by the ONEEP network calculation method: target tool 5

### Indoor Air quality

Air quality at the project site is good: The project is far from the industrial environment, fuel-based energy production, and fleets, especially for buses and taxis.

### Comfort

Health & comfort : All the requirements of comfort (hygrothermal, visual, olfactory, acoustic)

and health (air, water and space quality)

Calculated thermal comfort : Été : 24°C , Hiver: 22°C

Acoustic comfort : The project is far from the sources of noise nuisance

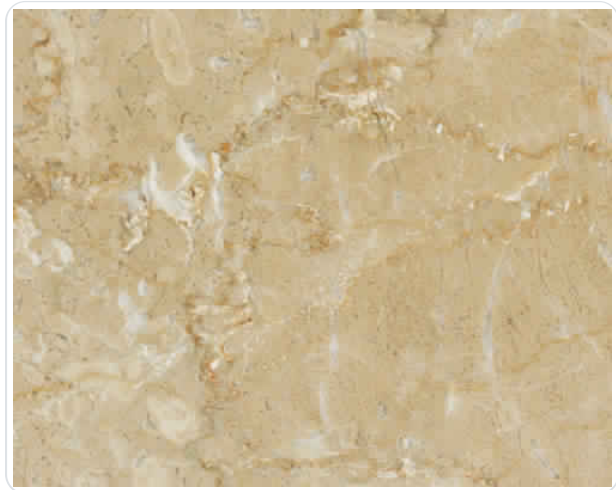
## Products

### Product

Marble type BOTTICINO

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 = '12'



CARREAUX DE GRES CERAME MARAZZI BLOCK GREIGE RETT THE 60 X 60CM CODE GR2

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 = '16'



## Costs

## Urban environment

Public transport: The site is served by 3 bus lines, Grands and Petits Taxis Espace Verts: The Borough SOUISSI has several green areas

## Land plot area

Land plot area : 3 834,00 m<sup>2</sup>

## Built-up area

Built-up area : 2 250,00 %

## Green space

Green space : 58,00

## Parking spaces

The Parking located in the basement,

## Building Environnemental Quality

### Building Environmental Quality

- Building flexibility
- indoor air quality and health
- comfort (visual, olfactive, thermal)
- mobility
- products and materials

## Contest

### Building candidate in the category





**Bas Carbone**

**AWARDS**  
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**Santé & Confort**



**Coup de Cœur des Internautes**