

Object name

**Office Building in BRAGADIRU**

**Romania**

Object photo



Object description

The insulated concrete forms Neopor ICF fabric offer partial protection for this building. Heat recovery offers a preheating – cooling of the fresh air for the entire building.

Additional thermal insulation of Polystyrene (24 kg/m<sup>3</sup>) to the exterior and Thermofloc to the interior.

For the thermal insulation of the roof is used Thermofloc and Polystyrene.

Fact sheet

**Office Building + Residential**

Treated Floor Area 2400 m<sup>2</sup>  
Out of which: 1920 m<sup>2</sup> offices  
Number of apartments 1 (480 m<sup>2</sup>)  
Completion date 2008

**Energy standard [PHPP]**

Heat requirement / year 15 kWh/m<sup>2</sup>a  
Heat load 14 W/m<sup>2</sup>  
Primary energy requ. kWh/m<sup>2</sup>a  
Air-tightness (n<sub>50</sub>-value) 0,60 1/h  
Building type Massive construction

**U-value**

Exterior wall 0,12 W/m<sup>2</sup>K  
Roof 0,10 W/m<sup>2</sup>K  
Basement floor / Floor slab 0,15 W/m<sup>2</sup>K  
Windows / average 0,80 W/m<sup>2</sup>K

**Specification ventilation system**

**Heating installation**

Construction costs --- Euro/m<sup>2</sup>

**Building owner**

**Architect/Planner**

Dr.Arch. Ruxandra Crutescu  
SC AMVIC SRL

**Photo credits**

Dr.Arch. Ruxandra Crutescu