

Object name

Grenoble House**Suceava Romania**

Object photo



Object description

Situated suburban this single family house has one storey and it's oriented to South. Has no basement.

Exterior wall: From out to indoor Laminated timber beams 100x135 mm + wood poles 150x150 mm + wooden structure 300 x 50mm and cellulose insulation THERMOFLOC 300 mm + vapour barrier THERMOFLOC with adhesive green tape + wood panel 19 mm.

Roof: From bottom to top apparent wood rafters 100 x 180 mm + fire-protection treated wood panel + vapour barrier + THERMOFLOC insulation 300 mm and wooden I-beams. *Basement floor:* From bottom to top bituminous screed for concrete slab+wood structure 45x300 mm + THERMOFLOC insulation 300 mm, 25 kg/m³ + vapour barrier.

Decentralised ventilation with heat recovery (room by room ventilation).

Fact sheet

Single-family detached houseTreated Floor Area m²Number of apartments 1Completion date: **Under construction**
2011**Energy standard [PHPP]**Heat requirement / year 14 kWh/m²aHeat load 14 W/m²Primary energy requ. 110 kWh/m²aAir-tightness (n₅₀-value) 0,60 1/hBuilding type Timber construction**U-value**Exterior wall 0,11 W/m²KRoof 0,12 W/m²KBasement floor / 0.13 W/m²K

Floor slab

Windows / average 0,60 W/m²K**Specification ventilation system**

Decentralised ventilation with heat recovery (room by room ventilation)

Heating installationConstruction costs Euro/m²**Building owner****Architect / Planer**

SC Dorna Eco House SRL

Photo credits

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