



Very simple wooden family house was designed in 2006 and finished in 2008. It is located in Begovo Razdolje that is highest inhabited place in Croatia (1060 m a. s.) in the mountain region Gorski Kotar. Installation concept contains of a big surface of earth heat exchanger (374 m<sup>2</sup>) that is about 250 cm under a terrain surface and solar thermal collector.

#### Family house in 51315 / Begovo Razdolje

Treated Floor Area	167 m <sup>2</sup>
Number of apartments	1
Completion date	2009

#### Energy standard [PHPP]

Heat requirement / year	13,8 kWh/m <sup>2</sup> a
Heat load	9,7 W/m <sup>2</sup>
Primary energy requ.	n/a kWh/m <sup>2</sup> a
Air-tightness (n <sub>50</sub> -value)	0,50 1/h
Building type	Timber construction

#### U-value

Exterior wall	0,10 W/m <sup>2</sup> K
Roof	0,10 W/m <sup>2</sup> K
Floor slab	0,11 W/m <sup>2</sup> K
Windows / average	1,20 W/m <sup>2</sup> K

#### Specification ventilation system

Central unit

#### Heating installation

Heath pump, solar thermal collector

Construction costs	n/a Euro/m <sup>2</sup>
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#### Building owner

n/a

#### Architect/Planner

Lj. Mišćević

#### Photo credits

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