

# Passive House verification



Building:	Privātmāja - Sinergo 100		
Street:	Projekts		
Postcode/City:			
Country:	Latvija		
Building Type:	Vienstāvu dzīvojamā ēka		
Climate:	Rīga LBN		
Home Owner(s) / Client(s):	SINERGO OU		
Street:			
Postcode/City:			
Architect:	Jānis Bērziņš		
Street:	Pils iela 13-4		
Postcode/City:	LV-2150, Sigulda		
Mechanical System:			
Street:			
Postcode/City:			
Year of Construction:		Interior Temperature:	20,0 °C
Number of Dwelling Units:	1	Internal Heat Gains:	2,1 W/m <sup>2</sup>
Enclosed Volume V <sub>e</sub> :			
Number of Occupants:	3,0		

Specific building demands with reference to the treated floor area		use: Annual method	
		Requirements	Fulfilled?*
<b>Space heating</b>	Treated floor area	100,5 m <sup>2</sup>	
	Annual heating demand	15 kWh/(m <sup>2</sup> a)	15 kWh/(m <sup>2</sup> a) <b>yes</b>
	Heating load	20 W/m <sup>2</sup>	10 W/m <sup>2</sup> -
<b>Space cooling</b>	Overall specific space cooling demand	kWh/(m <sup>2</sup> a)	-
	Cooling load	W/m <sup>2</sup>	-
	Frequency of overheating (> 25 °C)	40,1 %	-
<b>Primary Energy</b>	Space heating and cooling, dehumidification, household electricity.	kWh/(m <sup>2</sup> a)	120 kWh/(m <sup>2</sup> a)
	DHW, space heating and auxiliary electricity	kWh/(m <sup>2</sup> a)	-
	Specific primary energy reduction through solar electricity	kWh/(m <sup>2</sup> a)	-
<b>Airtightness</b>	Pressurization test result n <sub>50</sub>	0,4 1/h	0,6 1/h <b>yes</b>

\* empty field: data missing; "-": no requirement

Passive House?

We confirm that the values given herein have been determined following the PHPP methodology and based on the characteristic values of the building. The PHPP calculations are attached to this application.

Name:		Registration number PHPP:	
Surname:		Issued on:	
Company:		Signature:	