

# Passive House Verification

Photo or Drawing		<b>Building:</b>	
		Street:	
		Postcode/City:	
		Province/Country: <b>GB-United Kingdom/ Britain</b>	
		Building type:	
		Climate data set: <b>GB0004a-Efford</b>	
		Climate zone: <b>4: Warm-temperate</b> Altitude of location: <b>88 m</b>	
<b>Architecture:</b> <b>Eco Design Consultants</b>		<b>Home owner / Client:</b>	
Street: <b>The Mansion, Bletchely Park</b>		Street:	
Postcode/City: <b>MK3 6EB Milton Keynes</b>		Postcode/City:	
Province/Country: <b>Buckinghamshire GB-United Kingdom/ Britain</b>		Province/Country:	
<b>Energy consultancy:</b> <b>Eco Design Consultants</b>		<b>Mechanical engineer:</b>	
Street: <b>The Mansion, Bletchely Park</b>		Street:	
Postcode/City: <b>MK3 6EB Milton Keynes</b>		Postcode/City:	
Province/Country: <b>Buckinghamshire GB-United Kingdom/ Britain</b>		Province/Country:	
Year of construction: <b>2016</b>		Interior temperature winter [°C]: <b>20.0</b>	
No. of dwelling units: <b>2</b>		Interior temp. summer [°C]: <b>25.0</b>	
No. of occupants: <b>3.0</b>		Internal heat gains (IHG) heating case [W/m²]: <b>3.0</b>	
		IHG cooling case [W/m²]: <b>3.0</b>	
		Specific capacity [Wh/K per m² TFA]: <b>60</b>	
		Mechanical cooling:	

Specific building characteristics with reference to the treated floor area				Alternative criteria		Fullfilled? <sup>2</sup>
	Treated floor area m²		Criteria	Alternative criteria		
<b>Space heating</b>	Heating demand kWh/(m²a)	<b>31</b>	≤	15	-	<b>no</b>
	Heating load W/m²	<b>18</b>	≤	-	10	
<b>Space cooling</b>	Cooling & dehum. demand kWh/(m²a)	<b>-</b>	≤	-	-	<b>-</b>
	Cooling load W/m²	<b>-</b>	≤	-	-	
	Frequency of overheating (> 25 °C) %	<b>7</b>	≤	10	-	
	Frequency of excessively high humidity (> 12 g/kg) %	<b>0</b>	≤	20	-	<b>yes</b>
<b>Airtightness</b>	Pressurization test result n <sub>50</sub> 1/h	<b>1.3</b>	≤	0.6	-	<b>no</b>
<b>Non-renewable Primary Energy (PE)</b>	PE demand kWh/(m²a)	<b>132</b>	≤	135	-	<b>yes</b>
<b>Primary Energy Renewable (PER)</b>	PER demand kWh/(m²a)	<b>119</b>	≤	-	-	<b>-</b>
	Generation of renewable energy (in relation to projected building footprint area)	<b>188</b>	≥	-	-	

<sup>2</sup> Empty field: Data missing; '-': No requirement

I 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 verification.

**Passive House Classic?** **no**

Task: \_\_\_\_\_ First name: **alan** Surname: \_\_\_\_\_ Signature: \_\_\_\_\_

Issued on: \_\_\_\_\_ City: \_\_\_\_\_

Project data imported from designPH 2.0.04

PHPP9 display code: