

Passive House Verification

Photo or Drawing

Architecture: Lawrence Duck
 Street: Lower Kingstree, Near Romansleigh
 Postcode/City: EX37 9TT Devon
 Province/Country: GB-United Kingdom/ Britain

Energy consultancy: Piers Sadler Consulting
 Street: Studio 2, St Andrews Road
 Postcode/City: BS6 5EH Bristol
 Province/Country: GB-United Kingdom/ Britain

Year of construction: 2016
 No. of dwelling units: 1
 No. of occupants: 2.2

Building: Unit 1
 Street: Wellington Lane
 Postcode/City: BS6 5PY Bristol
 Province/Country: GB-United Kingdom/ Britain

Building type: House
 Climate data set: GB0006a-Lyneham
 Climate zone: 4: Warm-temperate Altitude of location: 25 m

Home owner / Client: Ellie Sans & Nick Easton
 Street: Unit 1 Wellington Lane
 Postcode/City: BS6 5PY
 Province/Country: Bristol GB-United Kingdom/ Britain

Mechanical system: Green Building Store
 Street: Heath House Mill, Heath House Lane
 Postcode/City: HD7 4JW Huddersfield
 Province/Country: GB-United Kingdom/ Britain

Certification: N/A
 Street:
 Postcode/City:
 Province/Country:

Interior temperature winter [°C]: 20.0 Interior temp. summer [°C]: 25.0
 Internal heat gains (IHG) heating case [W/m²]: 2.6 IHG cooling case [W/m²]: 2.6
 Specific capacity [Wh/K per m² TFA]: 60 Mechanical cooling:

Specific building characteristics with reference to the treated floor area

Criteria	Value	Comparison	Alternative criteria		Fulfilled?²
			Criteria	Alternative criteria	
Space heating	Treated floor area m²		91.4		
	Heating demand kWh/(m²a)	≤	15	-	yes
	Heating load W/m²	≤	-	10	yes
Space cooling	Cooling & dehum. demand kWh/(m²a)	≤	-	-	-
	Cooling load W/m²	≤	-	-	-
	Frequency of overheating (> 25 °C) %	≤	10		yes
	Frequency excessively high humidity (> 12 g/kg) %	≤	20		yes
Airtightness	Pressurization test result n ₅₀ 1/h	≤	0.6		no
Non-renewable Primary Energy (PE)	PE demand kWh/(m²a)	≤	120		no
Primary Energy Renewable (PER)	PER demand kWh/(m²a)	≤	-	-	-
	energy kWh/(m²a) (in relation to projected)	≥	-	-	-

² 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
 Signature:

Task: First name: Ben Surname: East
 Issued on: 02/03/17 City: