

Passive House verification



Building:	Bowker Street		
Street:	Great Cheetham Street West, Salford		
Postcode/City:	M7 2DR		
Country:	United Kingdom		
Building Type:	Terrace C		
Climate:	West Pennines (Fairfield)		
Home Owner(s) / Client(s):	Contour Homes Ltd		
Street:	Quay Plaza 2, 1st Floor, Lowry Mall, Salford Quays, Salford		
Postcode/City:	M50 3AH		
Architect:	Ainsley Common Architects		
Street:	1 Price Street, Hamilton Square, Birkenhead		
Postcode/City:	CH41 6JN		
Mechanical System:	Green Building Store		
Street:	Heath House Mill, Heath House Lane, Golcar, Huddersfield		
Postcode/City:	HD7 4JW		
Year of Construction:	2014	Interior Temperature:	20.0 °C
Number of Dwelling Units:	4	Internal Heat Gains:	2.1 W/m²
Enclosed Volume V _e :	824.2		
Number of Occupants:	8.6		

Specific building demands with reference to the treated floor area		use: Monthly method	
		Requirements	Fulfilled?*
Space heating	Treated floor area	299.7 m ²	
	Annual heating demand	34 kWh/(m ² a)	15 kWh/(m ² a) no
	Heating load	17 W/m ²	10 W/m ² no
Space cooling	Overall specific space cooling demand	kWh/(m ² a)	-
	Cooling load	W/m ²	-
	Frequency of overheating (> 25 °C)	1.5 %	-
Primary Energy	Space heating and cooling, dehumidification, household electricity.	117 kWh/(m ² a)	120 kWh/(m ² a) yes
	DHW, space heating and auxiliary electricity	72 kWh/(m ² a)	-
	Specific primary energy reduction through solar electricity	kWh/(m ² a)	-
Airtightness	Pressurization test result n ₅₀	1.5 1/h	0.6 1/h no

* empty field: data missing; -: no requirement

Passive House?	no
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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:	Mark	Registration number PHPP:
	Surname:	Siddall	Issued on:
	Company:	LEAP	16/12/2014
			Signature: