

L1A 2010 - Regulations Compliance Report

As Built - Final



This as built final submission provides evidence towards compliance with Part L of the Building Regulations, in accordance with Appendix A of AD L1A. It has been carried out by an On-Construction Domestic Energy Assessor and can be accepted for building control purposes without further checking. The assessor has confirmed any changes from the design submission with the builder. This report covers only items included within the SAP and is not a complete report of regulations compliance.

Assessor name	Mr Mark Newbery	Assessor number	8848
Client		Last modified	30/11/2016
Address	Flat 5 Phoebe Cusden House 31 Whitley Rise, Reading, RG2 0NN		

Check	Evidence	Produced by	OK?																		
Criterion 1: predicted carbon dioxide emission from proposed dwelling does not exceed the target																					
TER (kg CO ₂ /m ² .a)	Fuel = Biomass Fuel factor = 1.00 TER = 18.65	Authorised SAP Assessor																			
DER for dwelling as designed (kg CO ₂ /m ² .a)	DER = 4.59	Authorised SAP Assessor																			
Are emissions from dwelling as built less than or equal to the target?	DER 4.59 < TER 18.65	Authorised SAP Assessor	Passed																		
Criterion 2: the performance of the building fabric and the heating, hot water and fixed lighting systems should be no worse than the design limits																					
Fabric U-values																					
Are all U-values better than the design limits in Table 2?	<table><tr><th>Element</th><th colspan="2">Weighted average Highest</th></tr><tr><td>Wall</td><td>0.29 (max 0.30)</td><td>0.50 (max 0.70)</td></tr><tr><td>Party wall</td><td>0.20 (max 0.20)</td><td>N/A</td></tr><tr><td>Floor</td><td>(no floor)</td><td></td></tr><tr><td>Roof</td><td>(no roof)</td><td></td></tr><tr><td>Openings</td><td>1.40 (max 2.00)</td><td>1.40 (max 3.30)</td></tr></table>	Element	Weighted average Highest		Wall	0.29 (max 0.30)	0.50 (max 0.70)	Party wall	0.20 (max 0.20)	N/A	Floor	(no floor)		Roof	(no roof)		Openings	1.40 (max 2.00)	1.40 (max 3.30)	Authorised SAP Assessor	Passed
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Thermal bridging																					
How has the loss from thermal bridges been calculated?	Thermal bridging calculated using default y-value of 0.15	Authorised SAP Assessor																			
Heating and hot water systems																					
Does the efficiency of the heating systems meet the minimum value set out in the Domestic Heating Compliance Guide?	Community heating scheme Secondary heating system: None	Authorised SAP Assessor	N/A																		
Does the insulation of the hot water cylinder meet the standards set out in the Domestic Heating Compliance Guide?	No hot water cylinder in the dwelling	Authorised SAP Assessor																			
Do controls meet the minimum controls provision set out in the Domestic Heating Compliance Guide?	Space heating control: Flat rate charging, programmer and room thermostat No hot water cylinder in the dwelling	Authorised SAP Assessor	Failed																		
Fixed internal lighting																					
Does fixed internal lighting comply with paragraphs 42 to 44?	Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 12 Percentage of low energy lights = 100 % Minimum = 75 %	Authorised SAP Assessor	Passed																		

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Criterion 3: the dwelling has appropriate passive control measures to limit solar gains			
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant Overheating risk (July) = Medium Overheating risk (August) = Medium Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 2.00 ach Blinds/curtains = None	Authorised SAP Assessor	Passed
Criterion 4: the performance of the dwelling, as built, is consistent with the DER			
Design air permeability (m ³ /(h.m ²) at 50Pa)	Design air permeability = 5.00 Max air permeability = 10.00 As built air permeability = 5.78	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered) in practice?	The following openings have a U-value less than 1.5W/m ² K: - Window reference 1 (1.40) - Window reference 2 (1.40) - Window reference 3 (1.40) - Door to corridor reference 4 (1.40) Use of the following low carbon or renewable technologies: - Biomass used for community heating	Authorised SAP Assessor	