

England & Wales Building Regulations L1A Approved Document (2006)'

Checklist for dwelling as designed

Site reference	Bag End, Middle Earth	Plot reference	1	.
Builder	Odd Job	Contact	.	Tel:
Building Control body	Not Known at this stage	Contact	.	Tel:
SAP assessment by	Mark Sheehan Building Consultancy	Contact Mark Sheehan	.	Tel: 07779 341875
<i>Evidence of competency (e.g. Part L competent person, Authorised SAP Assessor)</i>			BRE Accredited software by Survey Design Associates	

No.	Check	Evidence	Produced by	Design OK?	As built same?
1	Criterion 1 - predicted carbon dioxide emission from proposed dwelling does not exceed the target				
1.1	TER (kg CO ₂ /m ² .a)	30.79	SAP	N/A	N/A
1.2	DER for dwelling as designed (kg CO ₂ /m ² .a)	14.58	SAP	N/A	N/A
1.3	Are emissions from the dwelling as designed/as built less than or equal to the target?	14.58<30.79 OK	SAP	Yes	N/A
2	Criterion 2 - the performance of the building fabric and the heating, hot water and lighting systems should be no worse than the design limits				
Fabric U-values					
2.1	Are all U-values better than the design limits in Table 2?	Average/maximum U-values: <ul style="list-style-type: none"> • Walls: 0.20/0.32 OK • Floors: 0.24/0.24 OK • Roofs: 0.14/0.14 OK • Openings: 2.03/3.00 OK 	SAP	Yes	N/A
Common areas in buildings with multiple dwellings (where relevant)					
2.2	If the common areas are unheated, are all U-values better than the design limits in Table 2? (if heated use L2A)	N/A	N/A	N/A	N/A
Heating and hot water systems					
2.3	Does the efficiency of the heating systems meet the minimum value	<ul style="list-style-type: none"> • Primary: Ground-to-air heat pump warm air Default efficiency: 320.0% OK 	SAP	Yes	N/A

	set out in the Domestic Heating Compliance Guide?	<ul style="list-style-type: none"> Secondary: Closed room heater Default efficiency: 60.0% OK 			
2.4	Does the insulation of the hot water cylinder meet the standards set out in the Domestic Heating Compliance Guide?	<ul style="list-style-type: none"> 150 litre store. Daily loss: 2.11kWh; Permissible loss: 2.62kWh Insulated primaries: Yes Solar storage: 150 litres (required min 75) 	SAP	Yes	N/A
2.5	Do the controls meet the minimum controls provision set out in the Domestic Heating Compliance Guide?	<ul style="list-style-type: none"> PHS: Zone control DHW: Interlock + cylinder stat + independent timer 	SAP	Yes	N/A
2.6	Does the heating and hot water system meet the other standards set out in the Domestic Heating Compliance Guide?	<i>Provide schedule of compliance provisions</i>	To be Certified by installer		N/A
Fixed internal and external lighting					
2.7	Does the fixed internal lighting comply with L1A AD paragraphs 42-44?	<i>30% of the fixed internal lighting to be Energy Efficient</i>	Electrical Contractor		N/A
2.8	Does the external lighting comply with L1A AD paragraph 45?	<i>External Lighting to be Energy Efficient</i>	Electrical Contractor		N/A
Criterion 3 - the dwelling has appropriate passive control measures to limit solar gains					
3.1	Does the dwelling have a strong tendency to high summertime temperatures?	<ul style="list-style-type: none"> Region: Severn valley Threshold temperature = 18.94°C Overheating risk: Not significant Shading - windows: none; rooflights: N/A. Ventilation: windows fully open	SAP	Yes	N/A
Criterion 4 - the performance of the dwelling, as built, is consistent with the DER					
4.1	Have the key features of the design been included (or bettered) in practice?	Special points to note: <ul style="list-style-type: none"> One or more walls has a U-value of less than 0.28 One or more roofs has a U-value of less than 0.15 The design includes a 3.0m² solar panel 	SAP	N/A	N/A
Fabric construction					

4.2	Have accredited details been adopted?	<i>All detailing to be to guidance document "Limiting thermal bridging and air leakage: Robust Construction details for dwellings and similar buildings" and strictly in accordance with manufacturers instructions.</i>	Architects Drawings	.	N/A
4.3	Have non-accredited details been used?	<i>Manufactures literature to be followed where appropriate</i>	Architect	.	N/A
4.4	Has satisfactory evidence of site inspection checks been produced?	<i>List completed pro-formas showing checks have been completed</i>	Builder/Architect	N/A	N/A
4.5	Design air permeability (m ³ /h.m ² at 50Pa)	<ul style="list-style-type: none"> q50 design value = 15.0 	SAP	Yes	N/A
4.6	Has evidence been provided that demonstrates that the design air permeability has been achieved satisfactorily (see paragraph 56)	<i>Not required as a design air permeability of 15m³/h.m² has been used</i>	N/A	N/A	N/A
Commissioning heating and hot water systems					
4.7	Evidence that the heating and hot water systems have been commissioned satisfactorily	<i>Commissioning completion certificate(s) required</i>	Installers submission at completion	N/A	N/A
Criterion 5 - the necessary provisions for energy efficient operation of the dwelling are put in place					
5.1	Has all the relevant information been provided?	<ul style="list-style-type: none"> O&M instructions SAP Rating 76 	Builder's submission	N/A	N/A

Schedule of supporting competencies

Check no.	Organisation providing evidence	Tel.	Evidence of competency
2.6	Heating contractor, not known at this stage	.	Specialist Installer
2.7	Electrical contractor, not known at this stage	.	To be Part P registered
4.6	Not Applicable	.	
4.7	By Heating Contractor, not known at this stage	.	Specialist Installer

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