

BASIC COMPLIANCE REPORT

Calculation Type: New Build (As Built)

Property Reference	Timberley 2105 P1				Issued on Date	21/12/2022
Assessment Reference	AB	Prop Type Ref	New build			
Property	Highbury House, Winchester Road, Fair Oak, EASTLEIGH, SO50 7HB					
SAP Rating	84 B	DER	13.90	TER	17.17	
Environmental	84 B	% DER<TER	19.02			
CO ₂ Emissions (t/year)	1.94	DFEE	51.15	TFEE	62.06	
General Requirements Compliance	Pass	% DFEE<TFEE	17.59			
Assessor Details	Mr. Thomas McMahon, SApeasy Ltd, Tel: 0114 321 2037, info@sapeasy.co.uk				Assessor ID	r863-0001
Client						

SUMMARY FOR INPUT DATA FOR New Build (As Built)

Criterion 1 – Achieving the TER and TFEE rate

1a TER and DER

Fuel for main heating	Mains gas			
Fuel factor	1.00 (mains gas)			
Target Carbon Dioxide Emission Rate (TER)	17.17	kgCO ₂ /m ²		
Dwelling Carbon Dioxide Emission Rate (DER)	13.90	kgCO ₂ /m ²		Pass
	-3.26 (19.0%)	kgCO ₂ /m ²		

1b TFEE and DFEE

Target Fabric Energy Efficiency (TFEE)	62.06	kWh/m ² /yr		
Dwelling Fabric Energy Efficiency (DFEE)	51.15	kWh/m ² /yr		
	-11.0 (-17.7%)	kWh/m ² /yr		Pass

Criterion 2 – Limits on design flexibility

Limiting Fabric Standards

2 Fabric U-values

Element	Average	Highest	
External wall	0.22 (max. 0.30)	0.22 (max. 0.70)	Pass
Floor	0.17 (max. 0.25)	0.20 (max. 0.70)	Pass
Roof	0.13 (max. 0.20)	0.18 (max. 0.35)	Pass
Openings	1.21 (max. 2.00)	1.30 (max. 3.30)	Pass

2a Thermal bridging

Thermal bridging calculated from linear thermal transmittances for each junction

3 Air permeability

Air permeability at 50 pascals	3.17 (measured in this dwelling)	
Maximum	10.0	Pass

Limiting System Efficiencies

4 Heating efficiency

Main heating system	Boiler system with radiators or underfloor - Mains gas Data from database Ideal Heating LOGIC SYSTEM2 S18 Efficiency: 89.7% SEDBUK2009 Minimum: 88.0%	Pass
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