#### **Building Regulations England Part L (BREL) Compliance Report**

Approved Document L1 2021 Edition, England assessed by Array SAP 10 program, Array

Date: Tue 18 Jun 2024 14:06:50

Project Information				
Assessed By	Sean Hunter	Building Type	House, Semi-detached	
OCDEA Registration	EES/026592	Assessment Date	2024-06-18	

<b>Dwelling Details</b>			
Assessment Type	As designed	Total Floor Area	80 m <sup>2</sup>
Site Reference	4907-YO71-6328-1097	Plot Reference	1097
Address	Plot 3 Bed	•	

Client Details	
Name	Vistry Southern
Company	Vistry
Address	Central 40, Chineham Park, Basingstoke, RG24 8GU

This report covers items included within the SAP calculations. It is not a complete report of regulations compliance.

1a Target emission rate and dwelling emission r	ate			
Fuel for main heating system	Mains gas			
Target carbon dioxide emission rate	11.46 kgCO <sub>2</sub> /m <sup>2</sup>			
Dwelling carbon dioxide emission rate	10.3 kgCO <sub>2</sub> /m <sup>2</sup>	OK		
1b Target primary energy rate and dwelling prim	1b Target primary energy rate and dwelling primary energy			
Target primary energy	59.88 kWh <sub>PE</sub> /m <sup>2</sup>			
Dwelling primary energy	55.38 kWh <sub>PE</sub> /m <sup>2</sup>	OK		
1c Target fabric energy efficiency and dwelling fabric energy efficiency				
Target fabric energy efficiency	35.5 kWh/m <sup>2</sup>			
Dwelling fabric energy efficiency	32.4 kWh/m <sup>2</sup>	OK		

2a Fabric U-values				
Element	Maximum permitted average U-Value [W/m²K]	Dwelling average U-Value [W/m²K]	Element with highest individual U-Value	
External walls	0.26	0.22	Walls (1) (0.22)	OK
Party walls	0.2	0	Party Wall (1) (0)	N/A
Curtain walls	1.6	0	N/A	N/A
Floors	0.18	0.11	FP McCann System (0.11)	OK
Roofs	0.16	0.09	Roof (1) (0.09)	OK
Windows, doors,	1.6	1.29	Rear French (1.4)	OK
and roof windows				
Rooflights	2.2	N/A	N/A	N/A

2b Envelope elements (better than typically expected values are flagged with a subsequent (!))			
Name	Net area [m <sup>2</sup> ]	U-Value [W/m <sup>2</sup> K]	
Exposed wall: Walls (1)	74.48685	0.22	
Party wall: Party Wall (1)	39.7	0 (!)	
Ground floor: FP McCann System, FP McCann System	40.18	0.11	
Exposed roof: Roof (1)	40.180000305175	0.09 (!)	
	78		

2c Openings (better than typically expected values are flagged with a subsequent (!))				
Name	Area [m <sup>2</sup> ]	Orientation	Frame factor	U-Value [W/m <sup>2</sup> K]
Front, Solid Door	1.9782	South West	N/A	1.1 (!)
Front, Window	0.414	South West	1.0	1.3
Front, Window	1.3104	South West	1.0	1.3
Front, Window	1.3104	South West	1.0	1.3
Front, Window	1.4976	South West	1.0	1.3
Rear, Window	1.3104	North East	1.0	1.3
Rear, Window	1.092	North East	1.0	1.3
Rear, Window	1.4976	North East	1.0	1.3
Rear French, French Door	3.0933	North East	1.0	1.4
Left, Window	0.71925	South East	1.0	1.3

2d Thermal bridging (better than typically expected values are flagged with a subsequent (!))				
Building part 1 - Main Dwelling: Thermal bridging calculated from linear thermal transmittances for each junction				
Main element	Junction detail	Source	Psi value [W/mK]	Drawing / reference
External wall	E2: Other lintels (including other steel lintels)	Calculated by person with suitable expertise	0.025 (!)	E2-12826
External wall	E3: Sill	Calculated by person with suitable expertise	0.01 (!)	E3-12827
External wall	E4: Jamb	Calculated by person with suitable expertise	-0.05	E4-12843
External wall	E5: Ground floor (normal)	Calculated by person with suitable expertise	0.046	E5-12830 (Para)
External wall	E5: Ground floor (normal)	Calculated by person with suitable expertise	0.02 (!)	E5-12831 (Perp)
External wall	E6: Intermediate floor within a dwelling	Calculated by person with suitable expertise	0.001 (!)	E6-12833
External wall	E10: Eaves (insulation at ceiling level)	SAP table default	0.12	E10 - Default - FF
External wall	E12: Gable (insulation at ceiling level)	Calculated by person with suitable expertise	0.027 (!)	E12-12897 - FF
External wall	E16: Corner (normal)	Calculated by person with suitable expertise	-0.034 (!)	E16-12838
External wall	E18: Party wall between dwellings	Calculated by person with suitable expertise	-0.008 (!)	E18-12841
Party wall	P1: Ground floor	Calculated by person with suitable expertise	0.086	P1 - Briary Calc
Party wall	P2: Intermediate floor within a dwelling	SAP table default	0 (!)	P2-Default
Party wall	P4: Roof (insulation at ceiling level)	Calculated by person with suitable expertise	0.021 (!)	P4-12842

3 Air permeability (better than typically expected values are flagged with a subsequent (!))			
Maximum permitted air permeability at 50Pa 8 m³/hm²			
Dwelling air permeability at 50Pa	5.01 m <sup>3</sup> /hm <sup>2</sup> , Design value	OK	
Air permeability test certificate reference			

4 Space heating				
Main heating system 1: Boiler with rad	Main heating system 1: Boiler with radiators or underfloor heating - Mains gas			
Efficiency	92.5%			
Emitter type	Radiators			
Flow temperature	55°C			
System type	Combi boiler			
Manufacturer	Ideal Boilers			
Model	LOGIC COMBI			
Commissioning				
Secondary heating system: N/A				
Fuel	N/A			
Efficiency	N/A			
Commissioning				

5 Hot water	
Cylinder/store - type: N/A	
Capacity	N/A
Declared heat loss	N/A
Primary pipework insulated	N/A
Manufacturer	
Model	
Commissioning	
Waste water heat recovery system 1 -	type: Instantaneous
Efficiency	69.8%
Manufacturer	Q-Blue B.V.
Model	QB1-21

6 Controls			
Main heating 1 - type: Programmer, room	m thermostat, and TF	RVs	
Function			
Ecodesign class			
Manufacturer			
Model			
Water heating - type: N/A			
Manufacturer			
Model			
7 Lighting			
Minimum permitted light source efficacy	75 lm/W		
Lowest light source efficacy	90 lm/W		ОК
External lights control	N/A		OK
External lights control	IN/A		
8 Mechanical ventilation			
System type: Decentralised mechanical			
Maximum permitted specific fan power	0.7 W/(I/s)		
Specific fan power	0.16 W/(I/s)		OK
Minimum permitted heat recovery	N/A		
efficiency			
Heat recovery efficiency	N/A		N/A
Manufacturer/Model	Lo-Carbon NBR dM	EV C 100, 498095	
Commissioning			
9 Local generation			
Technology type: Photovoltaic system	(1)		
Peak power	0.8 kWp		
Orientation	South West		
Pitch	45°		
Overshading	None or very little		
Manufacturer	Trono or vory maio		
MCS certificate			
10 Heat networks			
N/A			
11 Supporting documentary evidence			
N/A			
40 Dealandiana			
12 Declarations			
a. Assessor Declaration	e:		
		ontents of this BREL Compliance Report	
		nformation submitted for this dwelling for	
		, and that the supporting documentary	
evidence (SAP Conventions, Appendi			
documentary evidence required) has	been reviewed in the	course of preparing this BREL	
Compliance Report.		T	
Signed:		Assessor ID:	
Name:		Date:	
h Oliant Baslanstiss			
b. Client Declaration			
N/A			



Property Reference		4907-YO71-6328-1097 Iss							on Date	18/06	/2024	
Assessment Reference	1097				Prop 1	Type I	Ref	Eveleigh	- Semi T	F		
Property	Plot, 3 Bed											
SAP Rating			90 B	DER		10.3	0		ΓER	11	.46	
Environmental			91 B	% DER	< TER					10	.12	
CO <sub>2</sub> Emissions (t/year)			0.72	DFEE		32.3	9		ΓFEE	35	.53	
Compliance Check			See BREL	% DFEE	< TFEE					8.8	33	
% DPER < TPER			7.52	DPER		55.3	8	-	ΓPER	59	.88	
Assessor Details	Mr. Sean Hunter								Assessor	· ID Y0	71-000	01
Client												
SUMMARY FOR INPUT [	DATA FOR: Ne	w Build (A	s Designed)									
Prientation		[	Southwest									
operty Tenture			ND									
ransaction Type	nnsaction Type rrain Type Property Type											
errain Type												
.0 Property Type				ied								
Which Floor				0								
2.0 Number of Storeys		[	2									
.0 Date Built	ate Built 20				2019							
.0 Property Age Band	Property Age Band											
.0 Sheltered Sides	2											
.0 Sunlight/Shade	Average or unknown											
5.0 Thermal Mass Parameter			Precise calculation									
Thermal Mass		[	N/A					k	J/m²K			
7.0 Electricity Tariff			Standard									
Smart electricity meter fitted	i		No									
Smart gas meter fitted		[	No									
7.0 Measurements												
			Basemer Ground floo 1st Store 2nd Store 3rd Store 4th Store 5th Store 6th Store	nt: or: y: y: y: y: y: y:	0.00 m 18.03 m 18.03 m 0.00 m 0.00 m 0.00 m 0.00 m 0.00 m 0.00 m		r Inf	0.00 n 40.18 i 40.18 i 0.00 n 0.00 n 0.00 n 0.00 n 0.00 n	1 <sup>2</sup> m² m² 1 <sup>2</sup> 1 <sup>2</sup> 1 <sup>2</sup> 1 <sup>2</sup>		Store 0.00 m 2.31 m 2.61 m 0.00 m 0.00 m 0.00 m 0.00 m 0.00 m	1 1 1 1 1 1
8.0 Living Area		[	17.84					m	1 <sup>2</sup>			
Description Typ		truction	alouge of the term		(kJ/m²K) Ar	rea(m²)		Res	Shelter	Openings		Type
	ber Frame Timbe	er tramed wall (on	e layer of plasterboard)	0.22	9.00	88.71	74.49	0.00	None	14.22	Calcula	ate Wall A
.1 Party Walls  Description	Туре	Constructi	ion				U-Value	Kappa	Area	Shelter	Sh	elter
E-WT-2 (With a fully filled)	Filled Cavity with Edge Sealing	n Double pla	sterboard on both sid t sheathing board	les, twin tir	nber f ram			( <b>kJ/m²K)</b> 20.00		<b>Res</b> 0.00		one
.2 Internal Walls Description		Construction	n							Kap (kJ/n		Area (n
Timber GF Timber FF			I on timber frame I on timber frame							9.0 9.0	0	47.43 69.92
0.0 External Roofs  Description T	уре С	onstruction			Value Ka /m²K)(kJ/	ірра			helter S	helter Calcu	ılation	Openir

SAP 10 Online 2.13.11 Page 1 of 5



10.2 Internal Ceilings										
<b>Description</b> Internal Ceiling	Storey +1		<b>Construction</b> Other							<b>a (m²)</b> ).18
11.0 Heat Loss Floors  Description	Type Storey Ir	dex	Construction		U-Valı (W/m²		Shelter Code		elter Kapp ctor (kJ/m²	a Area (m²
FP McCann System	Ground Floor - Solid Lowest o	ccupied	Suspended concrete floor, carpe	ted	0.11		None		.00 75.00	
11.2 Internal Floors Description	Storey Index	Cor	estruction						Kappa (kJ/m²K)	Area (m²
Internal Floor	iliuex	Oth	er						12.60	40.18
12.0 Opening Types										
Description	Data Source Type		Glazing		Glazing Gap	Filling Type	G-value	Frame Type	Frame Factor	U Value (W/m <sup>2</sup> K)
Solid Door Half Glaze Window	Manufacturer Solid I Manufacturer Half G BFRC, BSI or Windo CERTASS data	azed Do	Double Low-E Soft 0.		Сир	None None None	0.00 0.71 0.47	Wood Wood Wood	0.70 0.70 1.00	1.10 1.10 1.30
Window Type 2	Manufacturer Windo		Double Low-E Soft 0			None	0.63	Wood	0.70	0.90
Window Type 3 French Door	Manufacturer Windo BFRC, BSI or Windo CERTASS data	N	Double Low-E Soft 0. Double Low-E Hard (	).2		None None	0.71 0.40	Wood Wood	0.70 1.00	1.30 1.40
French Door Type 2 Roof Window Roof Window Type 2	Manufacturer Windo Manufacturer Roof V Manufacturer Roof V	/indow	Double Low-E Soft 0 Double Low-E Soft 0 Double Low-E Soft 0	.05		None None None	0.63 0.71 0.63	Wood Wood Wood	0.70 0.70 0.70	1.50 1.80 1.50
13.0 Openings										
Name Front	Opening Type Solid Door		Location 140mm TF		Orienta South V		<b>Area</b> 1.9		Pit (	
Front	Window		140mm TF		South V	Vest	4.5	3	(	)
Rear Rear French	Window French Door		140mm TF 140mm TF		North E North E		3.9 3.0		(	
Left	Window		140mm TF		South I	East	0.7	2	(	)
14.0 Conservatory			None							
15.0 Draught Proofing			100				%			
16.0 Draught Lobby			No							
17.0 Thermal Bridging			Calculate Bridges							
17.1 List of Bridges Bridge Type		Sou	rce Type	Length	Psi	Adiuste	d Reference			Imported
E2 Other lintels (including	ng other steel lintels)	Inde	ependently assessed	10.71	0.03	0.03	E2-12826			No
E3 Sill E4 Jamb		Inde	ependently assessed ependently assessed	8.30 25.80	0.01 -0.05	0.01 -0.05	E3-12827 E4-12843			No No
E5 Ground floor (normal E5 Ground floor (normal			ependently assessed ependently assessed	8.06 9.97	0.05 0.02	0.05 0.02	E5-12830 ( E5-12831 (			No No
E6 Intermediate floor wi	thin a dwelling	Inde	ependently assessed le K1 - Default	18.03 9.97	0.00 0.12	0.00 0.12	E6-12833 E10 - Defa	1 /		No No
E10 Eaves (insulation a E12 Gable (insulation at		Inde	pendently assessed	8.06	0.03	0.03	E12-12897			No
E16 Corner (normal) E18 Party wall between	dwellings	Inde Inde	ependently assessed ependently assessed	9.84 9.84	-0.03 -0.01	-0.03 -0.01	E16-12838 E18-12841			No No
P1 Party wall - Ground f	iloor liate floor within a dwelling		ependently assessed le K1 - Default	8.06 8.06	0.09 0.00	0.09	P1 - Briary P2-Default	Calc		No No
P4 Party wall - Roof (ins	sulation at ceiling level)		ependently assessed	8.06	0.02	0.02	P4-12842			No
							_			
Y-value			0.00				W/m²K			
Y-value			0.00 Yes				W/m²K			
								²) @ 50 P	a	
18.0 Pressure Testing			Yes					²) @ 50 P	a	
18.0 Pressure Testing  Designed AP <sub>50</sub>			Yes 5.01					²) @ 50 P	a	
18.0 Pressure Testing  Designed AP <sub>50</sub> Property Tested?			Yes 5.01 Yes				m³/(h.m	²) @ 50 P ²) @ 50 P		
18.0 Pressure Testing  Designed AP <sub>50</sub> Property Tested?  Test Method	on.		Yes 5.01 Yes Blower Door				m³/(h.m	, 0		
18.0 Pressure Testing  Designed AP <sub>50</sub> Property Tested?  Test Method  As Built AP <sub>50</sub>			Yes 5.01 Yes Blower Door				m³/(h.m	, 0		
18.0 Pressure Testing  Designed AP <sub>50</sub> Property Tested?  Test Method  As Built AP <sub>50</sub> 19.0 Mechanical Ventilation			Yes 5.01 Yes Blower Door				m³/(h.m	, 0		
18.0 Pressure Testing  Designed AP <sub>50</sub> Property Tested?  Test Method  As Built AP <sub>50</sub> 19.0 Mechanical Ventilation	n ation System Present		Yes 5.01 Yes Blower Door 15.00				m³/(h.m	, 0		

SAP 10 Online 2.13.11 Page 2 of 5



MV Reference Number 500776 Configuration MVHR Duct Insulated Uninsulated Ducts Manufacturer SFP 0.00 Rigid **Duct Type** 0.00 MVHR Efficiency Wet Rooms 4 SFP from Installer Commissioning Certificate No 19.1 Mechanical extract ventilation - Decentralised SFP Fan/Room Type 0.14 In Room Fan Kitchen 0.11 In Room Fan Other 3 Wet Room In Duct Fan Kitchen 0 0.00 In Duct Fan Other 0.00 Wet Room 0.08 Through Wall Fan Kitchen Through Wall Fan Other Wet Room 0.08 20.0 Fans, Open Fireplaces, Flues 21.0 Fixed Cooling System No 22.0 Lighting No No Fixed Lighting Efficacy Power 9 Capacity Name Count PL1 8.5 watt bayonet 90.00 cap lamp PL1LED3K-BC **GL-HEXHAM** 99.00 5 495 4 24.0 Main Heating 1 Database 100.00 Percentage of Heat % 17929 Database Ref. No. Fuel Type Mains gas SAP Code 104 In Winter 89.00 In Summer 87.30 Model Name LOGIC COMBI Manufacturer Ideal Boilers Combi boiler System Type 2106 Controls SAP Code 0 **PCDF Controls Delayed Start Stat** No **Burner Control** Modulating 200005 **Boiler Compensator HETAS** approved System No Oil Pump Inside No FI Case 0.00 FI Water 0.00 Flue Type Balanced Smoke Control Area Unknown Fan Assisted Flue Is MHS Pumped Pump in heated space 2013 or later Heating Pump Age Heat Emitter Radiators

SAP 10 Online 2.13.11 Page 3 of 5



Flow Temperature	Ent	er value				$\neg$		
Flow Temperature Value	55.0							
Boiler Interlock	Yes			_				
	0.00					=		
Electric CPSU Temperature						_		
Combi boiler type		ndard Combi				_		
Combi keep hot type	Nor	ne						
25.0 Main Heating 2	Nor	ne						
26.0 Heat Networks	Nor	ne						
Heat Source Fuel Type Heating I	Use	Efficiency	Percentage O Heat	f Heat	Heat I Power Ratio	Electrical	Fuel Factor	Efficiency type
Heat source 1 None Heat source 2 None Heat source 3 None Heat source 4 None Heat source 5 None		0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00		
28.0 Water Heating		0.00	0.00	0.00	0.00	0.00		
Water Heating Water Heating	Mai	n Heating 1						
SAP Code	901					=		
Flue Gas Heat Recovery System	No					一		
Waste Water Heat Recovery Instantaneous System 1	Yes					=		
Waste Water Heat Recovery Instantaneous System 2	No					=		
Waste Water Heat Recovery Storage System	No					=		
Solar Panel	No					=		
Water use <= 125 litres/person/day	Yes					=		
Summer Immersion	No					=		
Cold Water Source		m mains				_		
Bath Count	1	III IIIaiiis				=		
Baths connected to WWHRS						=		
	0							
Supplementary Immersion	No							
Immersion Only Heating Hot Water  28.1 Showers	No							
Description Shower Tyl	pe		I			Connect	ted Connecte	d To
Shower 1 Combi boile	er or un	vented hot w	ater system	[ <b>I/min]</b> 8.00	<b>[kW]</b> 0.00	Yes	Instantane	ous System 1
28.3 Waste Water Heat Recovery System Instantaneous System 1								
Database ID	801	16						
Brand Model	Sho	wersave, QE	31-21			=		
Details	Yea	r: 2017 + cur	rent Efficiency:	=				
Dedicated Storage Volume	0							
29.0 Hot Water Cylinder	Nor	ne						
Cylinder Stat	No							
Cylinder In Heated Space	No							
Independent Time Control	No					_		
Insulation Type	Nor	ne				_		
Insulation Thickness	0					=		
Cylinder Volume	0.00	)				= [		
Loss	0.00					kWh/d	day	
In Airing Cupboard	No						,	
31.0 Thermal Store	Nor	ne						

SAP 10 Online 2.13.11 Page 4 of 5



Thermal Store Pipework			within a single casi	ng					
32.0 Photovoltaic Unit			One Dwelling						
Export Capable Meter?			Yes						
Connected To Dwelling			Yes						
Diverter			No						
Battery Capacity [kWh]			0.00						
PV Cells kWp	Orientation	Elevation	Overshading	FGHRS	MCS Certificate	Overs	shading r	MCS Certificate	Panel Manufacturer
0.80	South West	45°	None Or Little	No	No	1.00		Reference	
34.0 Small-scale Hydro			None						
Electricity Generated			0.00						
Apportioned			0.00				kWh/Ye	ar	
Connected to dwelling's electric	icity meter		Yes						
Electricity Generation			Annual						
Jan Feb	Mar	Apr	May Jun	Jul	Aug	Sep	Oct	Nov	Dec

Recommendations

Lower cost measures
None
Further measures to achieve even higher standards
None

SAP 10 Online 2.13.11 Page 5 of 5

#### Predicted Energy Assessment



Plot, 3 Bed

Dwelling type:
Date of assessment:
Produced by:
Total floor area:
DRRN:

House, Semi-Detached 18/06/2024 Sean Hunter 80.36 m<sup>2</sup>

This document is a Predicted Energy Assessment for properties marketed when they are incomplete. It includes a predicted energy rating which might not represent the final energy rating of the property on completion. Once the property is completed, this rating will be updated and an official Energy Performance Certificate will be created for the property. This will include more detailed information about the energy performance of the completed property.

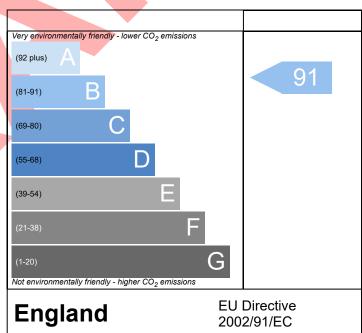
The energy performance has been assessed using the Government approved SAP 10 methodology and is rated in terms of the energy use per square meter of floor area; the energy efficiency is based on fuel costs and the environmental impact is based on carbon dioxide (CO2) emissions.

# Energy Efficiency Rating Very energy efficient - lower running costs (92 plus) A (81-91) B (69-80) C (55-68) D (21-38) F (1-20) G Not energy efficient - higher running costs Eu Directive 2002/91/EC

The energy efficiency rating is a measure of the overall efficiency of a home. The higher the rating the more energy efficient the home is and the lower the fuel bills

are likely to be.

#### Environmental Impact (CO<sub>2</sub>) Rating



The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide  $(CO_2)$  emissions. The higher the rating the less impact it has on the environment.

SAP 10 Online 2.13.11 Page 1 of 1

# Thermal Bridging



Property Reference	4907-YO71-6328-1097			Issued on Date	18/06/2024			
Assessment Reference	1097		Type Ref S	Semi-Detached House				
Property	Plot, 3 Bed							
SAP Rating		90 B	DER	10.30	TER	11.46		
Environmental		91 B	% DER < TER			10.12		
CO <sub>2</sub> Emissions (t/year)		0.72	DFEE	32.39	TFEE	35.53		
Compliance Check		See BREL	% DFEE < TFEE			8.83		
% DPER < TPER		7.52	DPER	55.38	TPER	59.88		
Assessor Details	⁄Ir. Sean Hunter				Assessor ID	Y071-0001		
Client								

	Junction details	Source Type	Psi (W/mK)	Length (m)	Result	Reference
External wall	E2 Other lintels (including other steel lintels)	Independently assessed	0.025	10.71	0.27	E2-12826
External wall	E3 Sill	Independently assessed	0.010	8.30	0.08	E3-12827
External wall	E4 Jamb	Independently assessed	-0.050	25.80	-1.29	E4-12843
External wall	E5 Ground floor (normal)	Independently assessed	0.046	8.06	0.37	E5-12830 (Para)
External wall	E5 Ground floor (normal)	Independently assessed	0.020	9.97	0.20	E5-12831 (Perp)
External wall	E6 Intermediate floor within a dwelling	Independently assessed	0.001	18.03	0.02	E6-12833
External wall	E10 Eaves (insulation at ceiling level)	Table K1 - Default	0.120	9.97	1.20	E10 - Default - FF
External wall	E12 Gable (insulation at ceiling level)	Independently assessed	0.027	8.06	0.22	E12-12897 - FF
External wall	E16 Corner (normal)	Independently assessed	-0.034	9.84	-0.33	E16-12838
External wall	E18 Party wall between dwellings	Independently assessed	-0.008	9.84	-0.08	E18-12841
Party wall	P1 Party wall - Ground floor	Independently assessed	0.086	8.06	0.69	P1 - Briary Calc
Party wall	P2 Party wall - Intermediate floor within a dwelling	Table K1 - Default	0.000	8.06	0.00	P2-Default
Party wall	P4 Party wall - Roof (insulation at ceiling level)	Independently assessed	0.021	8.06	0.17	P4-12842

Total: 142.76 W/mK: Y-Value: 0.00 W/m²K:

SAP 10 Online 2.13.11 Page 1 of 1