### **BASIC COMPLIANCE REPORT Calculation Type: New Build (As Designed)**



Property Reference	18210 Plot 134				Issued on Date	31/01/2021
Assessment Reference	134		Pr	op Type Ref	Keighley	
Property	134, Golf Road, MA	ABLETHORPE, LN12				
SAP Rating		82 B	DER	19.36	TER	19.37
Environmental		84 B	% DER <ter< th=""><th></th><th>0.05</th><th></th></ter<>		0.05	
CO <sub>2</sub> Emissions (t/y	rear)	1.71	DFEE	56.27	TFEE	60.93
General Requirem	ents Compliance	Pass	% DFEE <tfee< th=""><th></th><th>7.64</th><th></th></tfee<>		7.64	
Assessor Details	Mr. Robert Atherton, I		ited, Tel: 0754097	7134,	Assessor ID	F291-0001
Client						

### **SUMARY FOR INPUT DATA FOR New Build (As Designed)**

### Criterion 1 – Achieving the TER and TFEE rate

#### 1a TER and DER

Fuel for main heating Mains gas Fuel factor 1.00 (mains gas)  $kgCO_2/m^2$ Target Carbon Dioxide Emission Rate (TER) 19.37 Dwelling Carbon Dioxide Emission Rate (DER) 19.36  $kgCO_2/m^2$ **Pass** -0.01 (-0.1%)  $kgCO_2/m^2$ 1b TFEE and DFEE

Target Fabric Energy Efficiency (TFEE) 60.93 kWh/m²/yr Dwelling Fabric Energy Efficiency (DFEE) 56.27 kWh/m²/yr

-4.6 (-7.6%) kWh/m²/yr **Pass** 

### Criterion 2 - Limits on design flexibility

### **Limiting Fabric Standards**

#### 2 Fabric U-values

Element	Average	Highest	
External wall	0.25 (max. 0.30)	0.25 (max. 0.70)	Pass
Floor	0.18 (max. 0.25)	0.18 (max. 0.70)	Pass
Roof	0.14 (max. 0.20)	0.14 (max. 0.35)	Pass
Openings	1.39 (max. 2.00)	1.50 (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 5.95 (design value) Maximum 10.0 **Pass** 

### **Limiting System Efficiencies**

#### **4 Heating efficiency**

Main heating system Boiler system with radiators or underfloor - Mains gas Data from database

Vaillant ecoFIT sustain 830 VUW 306/6-3 (H-GB)

Combi boiler

Efficiency: 89.3% SEDBUK2009

Minimum: 88.0%



Regs Region: England **Elmhurst Energy Systems** SAP2012 Calculator (Design System) version 4.14r16

Pass

# **BASIC COMPLIANCE REPORT Calculation Type: New Build (As Designed)**



Secondary heating system	None		
5 Cylinder insulation			
Hot water storage	No cylinder		
<u>6 Controls</u>			
Space heating controls	Time and temperature zone control		Pass
Hot water controls	No cylinder		
Boiler interlock	Yes		Pass
7 Low energy lights			
Percentage of fixed lights with low-energy fittings	100	%	
Minimum	75	%	Pass
8 Mechanical ventilation			
Continuous extract system (decentralised)			
Specific fan power	0.0900 0.0900 0.1100		
Maximum	0.7		Pass
Criterion 3 – Limiting the effects of heat gains in sur	mmer		
9 Summertime temperature			
Overheating risk (East Pennines)	Slight		Pass
Based on:			
Overshading	Average		
Windows facing East	6.79 m <sup>2</sup> , No overhang		
Windows facing West	7.43 m <sup>2</sup> , No overhang		
Air change rate	4.00 ach		
Blinds/curtains	None		
Criterion 4 – Building performance consistent with	DER and DFEE rate		
Air permeability and pressure testing			
3 Air permeability			
Air permeability at 50 pascals	5.95 (design value)		
Maximum	10.0		Pass
10 Key features			
Door U-value	0.91	W/m²K	

This report has not been submitted through the Elmhurst Energy members' portal, therefore results are subject to change when the dwelling is completed.





Property Reference	18210 Plot 1	L34				Issu	ied on Da	te 31/0	1/2021
Assessment	134				Prop Type	Ref Keigl	hley	·	
Reference									
Property	134, Golf Ro	ad, MABLE	THORPE, LN12						
SAP Rating			82 B	DER	19	0.36	ΓER		19.37
Environmental			84 B	% DER <ter< td=""><td></td><td></td><td>0.05</td><td></td><td></td></ter<>			0.05		
CO <sub>2</sub> Emissions (t/year)			1.71	DFEE	56	.27	TFEE .		60.93
General Requirements	Compliance		Pass	% DFEE <tfe< td=""><td>E</td><td></td><td>7.64</td><td></td><td></td></tfe<>	E		7.64		
	. Robert Athe ert@lowcark			nited, Tel: 07540	977134,		Assessor I	D F29	1-0001
Client									
SUMMARY FOR INPUT D	ATA FOR: N	ew Build (A	As Designed)						
Orientation		East			7				
Property Tenure		Unknown			Ī				
Transaction Type		New dwell	ing		Ī				
Terrain Type		Suburban			1				
1.0 Property Type		House, De	tached		Ī				
2.0 Number of Storeys		2							
3.0 Date Built		2021			1				
		1			Ī				
4.0 Sheltered Sides		1 =							
<ul><li>4.0 Sheltered Sides</li><li>5.0 Sunlight/Shade</li></ul>		Average or	r unknown		j				
		Average or	r unknown						
5.0 Sunlight/Shade				Heat Loss Perime	eter Inte	ernal Floor		verage Stor	
5.0 Sunlight/Shade			Ground Floor:	31.13 m	eter Inte	49.08 m²		2.38 ו	m
5.0 Sunlight/Shade					eter Inte			_	m
5.0 Sunlight/Shade			Ground Floor:	31.13 m	eter Inte	49.08 m²		2.38 ו	m
5.0 Sunlight/Shade 6.0 Measurements	er	(	Ground Floor: 1st Storey:	31.13 m		49.08 m²		2.38 ו	m
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area	er	18.62	Ground Floor: 1st Storey:	31.13 m		49.08 m²		2.38 ו	m
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet	er	18.62 Precise cal	Ground Floor: 1st Storey:	31.13 m	m²	49.08 m²		2.38 ו	m
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass	er Type	18.62 Precise cal 109.79	Ground Floor: 1st Storey:	31.13 m	m²	49.08 m² 44.42 m²	Карра	2.38 I 2.69 I	m m Nett Area
5.0 Sunlight/Shade 6.0 Measurements  7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description	Туре	18.62  Precise cal 109.79	Ground Floor: 1st Storey: culation	31.13 m 27.08 m	m² kJ/m²K	49.08 m² 44.42 m² U-Value (W/m²K)	Kappa (kJ/m²K)	2.38 i 2.69 i	n Nett Area (m²)
5.0 Sunlight/Shade 6.0 Measurements  7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Wall		18.62  Precise cal 109.79	Ground Floor: 1st Storey: culation	31.13 m	m² kJ/m²K	49.08 m² 44.42 m²	Карра	2.38 I 2.69 I	m m Nett Area
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Wall 9.2 Internal Walls	<b>Type</b> Timber Fra	18.62 Precise cal 109.79  Co	Ground Floor: 1st Storey: culation	31.13 m 27.08 m	m² kJ/m²K	49.08 m² 44.42 m² U-Value (W/m²K)	Kappa (kJ/m²K)	2.38 i 2.69 i Gross Area (m²) 146.93	Nett Area (m²) 128.65
5.0 Sunlight/Shade 6.0 Measurements  7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Wall	<b>Type</b> Timber Fra	18.62  Precise cal 109.79	Ground Floor: 1st Storey: culation	31.13 m 27.08 m	m² kJ/m²K	49.08 m² 44.42 m² U-Value (W/m²K)	Kappa (kJ/m²K)	2.38 i 2.69 i	n Nett Area (m²)
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Wall 9.2 Internal Walls	Type Timber Fra	18.62 Precise cal 109.79  Co	Ground Floor: 1st Storey:  culation  onstruction  mber framed wall (	31.13 m 27.08 m	m² kJ/m²K	49.08 m² 44.42 m² U-Value (W/m²K)	Kappa (kJ/m²K)	2.38 r 2.69 r Gross Area (m²) 146.93	Nett Area (m²) 128.65
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Wall 9.2 Internal Walls Description	Type Timber Fra Cons	18.62 Precise cal 109.79  Comme Timestruction	Ground Floor: 1st Storey:  culation  onstruction  mber framed wall (	31.13 m 27.08 m	m² kJ/m²K	49.08 m² 44.42 m² U-Value (W/m²K)	Kappa (kJ/m²K)	2.38 i 2.69 i Gross Area (m²) 146.93	Nett Area (m²)  Area (m²)
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Wall 9.2 Internal Walls Description Internal Partition 1	Type Timber Fra Cons	18.62 Precise cal 109.79  Comme Timestruction	Ground Floor: 1st Storey:  culation  onstruction  mber framed wall (	31.13 m 27.08 m	m² kJ/m²K	49.08 m² 44.42 m² U-Value (W/m²K)	Kappa (kJ/m²K)	2.38 t 2.69 t 2.69 t Gross Area (m²) 146.93	Nett Area (m²) 128.65 Area (m²) 67.50
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Walls Description Internal Partition 1 Internal Partition 2	Type Timber Fra Cons	18.62 Precise cal 109.79  Comme Timestruction terboard on timestruction	Ground Floor: 1st Storey:  culation  onstruction  mber framed wall (	31.13 m 27.08 m	m² kJ/m²K	49.08 m² 44.42 m²  U-Value (W/m²K) 0.25	Kappa (kJ/m²K) 9.00	2.38 t 2.69 t 2.69 t 2.69 t 3 t 46.93 46.93 Kappa (kJ/m²K) 9.00 9.00	Nett Area (m²) 128.65  Area (m²) 67.50 117.82
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Walls Description Internal Partition 1 Internal Partition 2 10.0 External Roofs	Type Timber Fra  Cons Plast Plast Type	18.62 Precise cal 109.79  Comme Timestruction terboard on timestruction terboard on timestruction	Ground Floor: 1st Storey:  culation  onstruction  mber framed wall (	31.13 m 27.08 m	m² kJ/m²K	49.08 m² 44.42 m² U-Value (W/m²K) 0.25	<b>Kappa (kJ/m²K)</b> 9.00	2.38 t 2.69 t 2.69 t 2.69 t 46.93 Kappa (kJ/m²K) 9.00 9.00	Nett Area (m²) 128.65  Area (m²) 67.50 117.82
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Walls Description Internal Partition 1 Internal Partition 2 10.0 External Roofs Description External Roof	Type Timber Fra  Cons Plast Plast Type	18.62 Precise cal 109.79  Comme Timestruction terboard on timestruction terboard on timestruction	Ground Floor: 1st Storey:  culation  culation  mber framed wall (  mber frame  mber frame	31.13 m 27.08 m	m² kJ/m²K	U-Value (W/m²K) 0.25  U-Value (W/m²K)	Kappa (kJ/m²K) 9.00 Kappa (kJ/m²K)	2.38 i 2.69 i 2.69 i Gross Area (m²) 146.93 Kappa (kJ/m²K) 9.00 9.00	Nett Area (m²) 128.65  Area (m²) 67.50 117.82  Nett Area (m²)
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Wall 9.2 Internal Walls Description Internal Partition 1 Internal Partition 2 10.0 External Roofs Description	Type Timber Fra  Cons Plast Plast Type External Pla	18.62 Precise cal 109.79  Comme Timestruction terboard on timestruction terboard on timestruction	Ground Floor: 1st Storey:  culation  culation  mber framed wall (  mber frame  mber frame	31.13 m 27.08 m	m² kJ/m²K	U-Value (W/m²K) 0.25	Kappa (kJ/m²K) 9.00 Kappa (kJ/m²K)	2.38 i 2.69 i 2.69 i Gross Area (m²) 146.93 Kappa (kJ/m²K) 9.00 9.00	Nett Area (m²) 128.65  Area (m²) 67.50 117.82  Nett Area (m²)
5.0 Sunlight/Shade 6.0 Measurements  7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Walls Description Internal Partition 1 Internal Partition 2  10.0 External Roofs Description External Roof 10.2 Internal Ceilings	Type Timber Fra  Cons Plast Plast Type External Pla	18.62 Precise cal 109.79  Comme Timestruction terboard on timestruction terboard on timestruction terboard on timestruction terboard on timestruction	Ground Floor: 1st Storey:  culation  culation  mber framed wall (  mber frame  mber frame	31.13 m 27.08 m	m² kJ/m²K	U-Value (W/m²K) 0.25	Kappa (kJ/m²K) 9.00 Kappa (kJ/m²K)	2.38 t 2.69 t 2.60 t 2.	Nett Area (m²) 128.65  Area (m²) 67.50 117.82  Nett Area (m²) 49.08
5.0 Sunlight/Shade 6.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramet Thermal Mass 9.0 External Walls Description External Walls Description Internal Partition 1 Internal Partition 2 10.0 External Roofs Description External Roof 10.2 Internal Ceilings	Type Timber Fra  Cons Plast Plast Type External Pla  Cons	18.62 Precise cal 109.79  Comme Timestruction terboard on timestruction terboard on timestruction terboard on timestruction terboard on timestruction	Ground Floor: 1st Storey:  culation  culation  mber framed wall (  mber frame  mber frame	31.13 m 27.08 m	m² kJ/m²K	U-Value (W/m²K) 0.25	Kappa (kJ/m²K) 9.00 Kappa (kJ/m²K)	2.38 t 2.69 t 2.60 t 2.	Nett Area (m²) 128.65  Area (m²) 67.50 117.82  Nett Area (m²) 49.08



Regs Region: England Elmhurst Energy Systems SAP2012 Calculator (Design System) version 4.14r16



		Type		C	onstruction					U-Va (W/r	alue n²K)	Kappa (kJ/m²K)	Area (m²)
Ground Floor		Grour	nd Floor -	Solid SI	ab on ground, so	reed over in	sulation			0.3	18	110.00	49.08
11.2 Internal Floor Description	rs		Construc	tion								Kappa (kJ/m²K)	Area (m²)
Internal Floor 1			Plasterbo	oard ceili	ng, carpeted chi	oboard floor						18.00	44.42
12.0 Opening Type	es												
Description		Source			Glazing		Glazing Gap	g Argon Filled	G-val		rame Type	Frame Factor	U Valu (W/m²l
Front Door	Manu r	ıtacture	Solid D	oor									1.20
Windows	Manu r	ıfacture	e Windo	W	Double Lov	v-E Soft 0.05			0.71	L		0.70	1.40
HG Door	Manu r	ıfacture	Half Gl	azed Doc	or Double Lov	v-E Soft 0.05			0.63	3		0.70	1.50
Garage door	-	ıfacture	e Door to	Corrido	r								0.91
13.0 Openings													
Name	Opening Typ	oe	Location		Orientatio	n Curtain Type	Overhang Ratio	Wide Overhang	Width (m)	Height (m)	Coun	t Area (m²)	Curtain Closed
Front Door	Solid Door		[1] Exter	nal Wall	East							2.15	
Front Windows	Window		[1] Exter		East	None	0.00					6.79	
Rear Windows	Window		[1] Exter		West	None	0.00					7.43	
HG door	Half Glazed [	Door	[1] Exter	nal Wall	South							1.91	
14.0 Conservatory				one									
15.0 Draught Proo	ofing		10	00				%					
16.0 Draught Lobb	ру		N	0									
17.0 Thermal Bridg	ging		C	alculate	Bridges								
17.1 List of Bridge	s												
Source Type		Bridge					Length	Psi	Imported				
Independently a			er lintels	(includin	g other steel lint	els)	13.29	0.085	No				
Independently a		E3 Sill					9.77	0.034	No	CBA-3			
Independently a		E4 Jam		, .			30.00	0.039	No	CBA-3			
Independently a			und floor	,	,		31.13	0.110	No	CD002			
Independently a					thin a dwelling		27.08	0.027	No	CD002	9		
Independently a Table K1 - Defau					ceiling level)	ortod)	19.94	0.059	No No	Knauf			
Independently a					ceiling level - inv ceiling level)	erteu)	2.30 13.48	0.240 0.081	No No	Knauf			
Independently a			rner (nor		cennig level)		25.04	0.060	No No	CBA-3	16		
Table K1 - Appro		E17 Co	,	,	nternal area grea	ter than	4.76	-0.090	No	ACD	10		
Y-value			0.	044				W/m²K					
18.0 Pressure Test	ting		Ye	es									
Designed AP₅o			5.	95				m³/(h.m²	) @ 50 Pa	Э			
Property Teste	ed ?		Ē										
As Built AP <sub>50</sub>								m³/(h.m²	) @ 50 Pa	3			
19.0 Mechanical V	/entilation												
19.0 Mechanical V													
Summer Overl	heating												
Summer Overl	<b>heating</b> open in hot v	weathe	er	Wind	ows half open								



Night Ventilation

No



Air change	e rate	4.00				
Mechanical V	entilation				<del></del>	
Mechanical	Ventilation System Preser	t Yes				
Approved	Installation	No			<del></del>	
	al Ventilation data Type	Database				
Type			extract ventila	tion -		
		decentralise				
MV Refere	ence Number	500426				
Duct Type		Flexible				
19.1 Mechanical	extract ventilation - Dec	centralised				
SFP	Fan/Room Count					
	Туре					
0.09	Through Wall 2 Fan Kitchen					
0.09	Through Wall 2					
	Fan Other Wet					
	Room					
0.11	In Room Fan 1 Other Wet					
	Room					
20 0 Fore Ones F	ironlaces Flues					
20.0 Fans, Open F	ireplaces, Flues	MHS	SHS	Other	Total	
Number of Ch	imneys	0	00	0	0	
Number of op	en flues	0		0	0	
	ermittent fans				1	
Number of pa					0	
Number of flu	eless gas lires				0	
21.0 Fixed Cooling	g System	No				
22.0 Lighting						
Internal						
Total num	ber of light fittings	12			]	
Total num	ber of L.E.L. fittings	12			1	
Percentag	e of L.E.L. fittings	100.00			%	
External					-	
External li	ghts fitted	Yes			]	
Light and	motion sensor	Yes				
23.0 Electricity Ta	riff	Standard			]	
24.0 Main Heating		Database			1	
Description	g I				] 1	
•	Heat	System			]	
Percentage of		100			] %	
Database Ref.	No.	17959			]	
Fuel Type		Mains gas			]	
Main Heating		BGW			]	
SAP Code		104				
In Winter		90.2				
In Summe	r	87.3			]	
Controls		CBI Time and te	emperature zon	e control		
PCDF Controls	;	0			]	
Delayed Start	Stat	No			]	





Sap Code	2110	
Flue Type	Balanced	
Fan Assisted Flue	Yes	
Is MHS Pumped	Pump in heated space	
Heat Emitter	Radiators	
Flow Temperature	Normal (> 45°C)	
Combi boiler type	Standard Combi	
Combi keep hot type	None	
25.0 Main Heating 2	None	
Community Heating	None	

Community Heating	None
28.0 Water Heating	HWP From main heating 1
Water Heating	Main Heating 1
Flue Gas Heat Recovery System	No
Waste Water Heat Recovery Instantaneous System 1	No
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
SAP Code	901
<u> </u>	

None

#### Recommendations

29.0 Hot Water Cylinder

Lower cost measures

None

Further measures to achieve even higher standards

**Typical savings** Ratings after improvement **Typical Cost** per year SAP rating **Environmental Impact** £4,000 - £6,000 Solar water heating £30 B 84 **Typical savings** Ratings after improvement **Typical Cost** per year **SAP** rating **Environmental Impact** Solar photovoltaic panels, 2.5 kWp £3,500 - £5,500 £366 A 93



### **ASSESSMENT NOTES**

### **Calculation Type: New Build (As Designed)**



Property Reference	e 18210 Plot 134	18210 Plot 134				31/01/2021
Assessment	134		Pro	p Type Ref	Ceighley	
Reference						
Property	134, Golf Road, MABLETH	HORPE, LN12				
SAP Rating		82 B	DER	19.36	TER	19.37
Environmental		84 B	% DER <ter< th=""><th></th><th>0.05</th><th></th></ter<>		0.05	
CO <sub>2</sub> Emissions (t/y	ear)	1.71	DFEE	56.27	TFEE	60.93
General Requirem	ents Compliance	Pass	% DFEE <tfee< th=""><th></th><th>7.64</th><th></th></tfee<>		7.64	
Assessor Details	Mr. Robert Atherton, Low Carobert@lowcarbonbox.co.uk		ted, Tel: 07540977	134, Assessor ID F291-0001		
Client						

ASSESSMENT NOTES - Last time updated on: 31.01.2021



### THERMAL BRIDGING

### **Calculation Type: New Build (As Designed)**



Property Reference	18210 Plot 134	18210 Plot 134				31/01/2021	
Assessment Reference	134	134 Prop Type Ref					
Property	134, Golf Road, MABLETH	IORPE, LN12					
SAP Rating		82 B	DER	19.36	TER	19.37	
Environmental		84 B	% DER <ter< th=""><th></th><th colspan="3">0.05</th></ter<>		0.05		
CO <sub>2</sub> Emissions (t/ye	ear)	1.71	DFEE	56.27	TFEE	60.93	
General Requireme	ents Compliance	Pass	% DFEE <tfee< th=""><th></th><th>7.64</th><th></th></tfee<>		7.64		
Assessor Details	Mr. Robert Atherton, Low Ca robert@lowcarbonbox.co.uk		ted, Tel: 07540977	Assessor ID F291-0001			
Client							

	Junction detail	Source Type	Psi (W/mK)	Length (m)	Result	Reference
External wall	E2 Other lintels (including other steel lintels)	Independently assessed	0.085	13.29	1.13	
External wall	E3 Sill	Independently assessed	0.034	9.77	0.33	CBA-314
External wall	E4 Jamb	Independently assessed	0.039	30.00	1.17	CBA-315
External wall	E5 Ground floor (normal)	Independently assessed	0.110	31.13	3.42	CD0022
External wall	E6 Intermediate floor within a dwelling	Independently assessed	0.027	27.08	0.73	CD0029
External wall	E10 Eaves (insulation at ceiling level)	Independently assessed	0.059	19.94	1.18	Knauf
External wall	E24 Eaves (insulation at ceiling level - inverted)	Table K1 - Default	0.240	2.30	0.55	
External wall	E12 Gable (insulation at ceiling level)	Independently assessed	0.081	13.48	1.09	Knauf
External wall	E16 Corner (normal)	Independently assessed	0.060	25.04	1.50	CBA-316
External wall	E17 Corner (inverted – internal area greater than external area)	Table K1 - Approved	-0.090	4.76	-0.43	ACD

Total: 10.68 W/mK: Y-Value: 0.044 W/m²K:



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