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



Pass

Property Reference	6395-0001-4066-22-02	6395-0001-4066-22-02				
Assessment Reference	001	001 Prop Type Ref				
Property	Unit 2, 24, Hampton Roa	d, Twickenha	m, London			
SAP Rating		90 B	DER	10.94	TER	16.91
Environmental		91 B	% DER <ter< th=""><th></th><th>35.31</th><th></th></ter<>		35.31	
CO ₂ Emissions (t/ye	ear)	0.99	DFEE	48.32	TFEE	53.97
General Requireme	ents Compliance	Pass	% DFEE <tfee< th=""><th></th><th>10.48</th><th></th></tfee<>		10.48	
Assessor Details	Mr. Christopher Bills, Premi- 07751 824354, chris@premi	_		t services, Te	Assessor ID	6395-0001
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
Fuel factor

1.00 (mains gas)

Target Carbon Dioxide Emission Rate (TER)

Dwelling Carbon Dioxide Emission Rate (DER)

16.91

16.91

10.94

10.94

10.94

10.94

10.94

10.94

10.94

10.94

10.94

10.94

10.94

10.94

1b TFEE and DFEE

Target Fabric Energy Efficiency (TFEE)

53.97

kWh/m²/yr

48.32

kWh/m²/yr

kWh/m²/yr

-5.7 (-10.6%) kWh/m²/yr Pass

Criterion 2 – Limits on design flexibility

Limiting Fabric Standards

2 Fabric U-values

Element	Average	Highest	
External wall	0.23 (max. 0.30)	0.23 (max. 0.70)	Pass
Party wall	0.00 (max. 0.20)	-	Pass
Floor	0.11 (max. 0.25)	0.11 (max. 0.70)	Pass
Roof	0.10 (max. 0.20)	0.14 (max. 0.35)	Pass
Openings	1.47 (max. 2.00)	1.70 (max. 3.30)	Pass

2a Thermal bridging

Thermal bridging calculated from linear thermal transmittances for each junction $% \left(1\right) =\left(1\right) \left(1\right)$

3 Air permeability

Air permeability at 50 pascals

Maximum

5.00 (design value)

Pass

Limiting System Efficiencies

4 Heating efficiency



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



Main heating system	Boiler system with radiators or underfloor - Mains gas Data from database					
	Vaillant ecoTEC sustain 28 VUW 286/7-2 (H-	-GB)				
	Combi boiler					
	Efficiency: 89.1% SEDBUK2009					
	Minimum: 88.0%]			
Secondary heating system	None					
5 Cylinder insulation			1			
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						
Not applicable						
Criterion 3 – Limiting the effects of heat gains in su	mmer					
9 Summertime temperature						
Overheating risk (Thames Valley)	Not significant		Pass			
Based on:						
Overshading	Average					
Windows facing North East	8.72 m ² , No overhang					
Windows facing South Wast	0.55 m², No overhang					
Windows facing South West Windows facing North West	4.41 m ² , No overhang 2.55 m ² , No overhang					
Air change rate	8.00 ach]			
Blinds/curtains	None		<u>.</u>]			
Criterion 4 – Building performance consistent with			J			
Party Walls						
Туре	U-value					
Filled Cavity with Edge Sealing	0.00	W/m²K	Pass			
Air permeability and pressure testing						
3 Air permeability						
Air permeability at 50 pascals	5.00 (design value)]			
Maximum	10.0		Pass			
10 Key features						
Party wall U-value	0.00	W/m²K				
Roof U-value	0.10	W/m²K				
Floor U-value	0.11	W/m²K				
Photovoltaic array	1.50	kW				



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



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	6395-0001-40	066-22-02				Iss	sued on Date	31/07/2022	
Assessment	001	001				rop Type Ref			
Reference									
Property	Unit 2, 24, Ha	mpton Road	d, Twickenha	m, London					
SAP Rating			90 B	DER	10.9	94	TER	16.91	
Environmental			91 B	% DER <ter< td=""><td></td><td></td><td>35.31</td><td>·</td><td></td></ter<>			35.31	·	
CO₂ Emissions (t/year)			0.99	DFEE	48.3	32	TFEE	53.97	
General Requirements Compliance			Pass	% DFEE <tfee< td=""><td></td><td></td><td>10.48</td><td></td><td></td></tfee<>			10.48		
Assessor Details M	r. Christopher E	Bills. Premi- <i>A</i>	Air Testing ar	nd energy assessr	ment service	s. Tel:	Assessor ID	6395-0001	\exists
	751 824354, ch		_			, , , , ,			
Client									
SUMMARY FOR INPUT	DATA FOR: Nev	w Build (As I	Designed)						
Orientation	П	North West]				
Property Tenure	Ī	Unknown			j				
Transaction Type	Ī	New dwelling	5		ĺ				
Terrain Type		Urban							
1.0 Property Type		House, Semi-	Detached						
2.0 Number of Storeys		2]				
3.0 Date Built		2022]				
4.0 Sheltered Sides		1							
5.0 Sunlight/Shade		Average or ur	nknown]				
6.0 Measurements									
				Heat Loss Perimet		nal Floo		erage Storey Heigh	t
		Gro	ound Floor: 1st Storey:	23.84 m 22.36 m		60.51 m 58.66 m		2.35 m 2.60 m	
			13t Storey.	22.30 111	-	J6.00 III	l.	2.00 111	
7.0 Living Area		20.52			m²				
8.0 Thermal Mass Parame	eter	Simple calcula	ation - Low]				
Thermal Mass	[:	100.00			kJ/m²K				
9.0 External Walls									
Description	Туре					U-Value (W/m²K)		Nett Area	
External Wall Brick	Timber Fram	ie.				0.23	(m²) 114.16	(m²) 95.93	
						0.20			_
9.1 Party Walls Description	Туре	Const	truction				U-Value	Area	
Description	Турс	CONS	il detion				(W/m²K)	(m²)	
Party Wall	Filled Cavity						0.00	49.50	
	Edge Sealing								
10.0 External Roofs Description	Tymo					U-Value	Gross Area	Nett Area	
Description	Туре					(W/m ² K)		(m²)	
External Roof Main	External Plar	ne Roof				0.10	58.66	58.66	
Bay Window Roof	External Plar	ne Roof				0.14	1.85	1.85	
11.0 Heat Loss Floors									_
Description	Туре	Const	truction				U-Value	Area	
Ground Floor	Ground Floo	r - Solid					(W/m²K) 0.11	(m²) 60.51	
3.34.14.1.1001	31041141100	. 50114					0.11	00.51	





12.0 Opening Type Description		Source	Туре	2	Glazing		Glazing Gap	g Argon Filled	G-valu		rame Type	Frame Factor	U Value (W/m²K)
Entrance Door	Man r	ufacture	Solid	d Door			-						1.70
Patio Door	Man	ufacture	Win	dow	Double Low-E	Soft 0.1			0.63			0.70	1.60
Windows	r Man r	ufacture	Win	dow	Double Low-E	Soft 0.05			0.63			0.70	1.40
13.0 Openings													
Name	Opening Ty	•	Locati		Orientation	Curtain Type	Overhang Ratio	Wide Overhang	Width (m)	Height (m)	Count	Area (m²)	Curtain Closed
Side Elevation	Solid Door			ernal Wall Brick								2.00	
Side Elevation	Window			ernal Wall Brick		None	0.00					2.55	
Side Elevation	Window			ernal Wall Brick		None	0.00					0.55	
Front Elevation	Window			ernal Wall Brick		None	0.00					4.41	
Rear Elevation	Window			ernal Wall Brick		None	0.00					2.94	
Rear Elevation	Window		[1] Ext	ernal Wall Brick	North East	None	0.00					5.78	
14.0 Conservatory	/			None									
15.0 Draught Prod	ofing			100				%					
16.0 Draught Lobb	ру			No									
17.0 Thermal Brid	ging			Calculate Brid	ges								
17.1 List of Bridge	s												
Source Type		Bridge					Length	Psi	Imported				
Independently a			er linte	els (including oth	ner steel lintel	s)	14.62	0.024	Yes	ECD T			
Table K1 - Appro		E3 Sill					13.67	0.040	Yes		VD-02		
Table K1 - Appro		E4 Jam					40.80	0.050	Yes	TFW-V			
Table K1 - Appro				oor (normal)			33.84	0.160	Yes	TFW-0			
Table K1 - Appro				ate floor within	_		32.36	0.070	Yes	TFW-I			
Table K1 - Appro				sulation at ceilin		. 1)	36.34	0.060	No	TFW-F	RE-01		
Table K1 - Defau				sulation at ceilin	ig level - inver	ted)	2.50	0.240	No				
Table K1 - Defau				normal)			15.00	0.180	No				
Table K1 - Defau		externa	al area	•		rtnan	5.00	0.000	No				
Table K1 - Defau			-	Il between dwel	lings		10.00	0.120	Yes				
Table K1 - Defau			•	- Ground floor	7		10.00	0.160	No				
Table K1 - Defau	ilt	dwellin	,	- Intermediate f	loor within a		10.00	0.000	No				
Table K1 - Defau	ılt	P4 Part	y wall	- Roof (insulatio	on at ceiling lev	vel)	10.00	0.240	No				
Y-value				0.091				W/m²K					
18.0 Pressure Test	ting			Yes									
Designed AP ₅₀				5.00				m³/(h.m²) @ 50 Pa	ı			
Property Teste	ed ?												
As Built AP ₅₀								m³/(h.m²) @ 50 Pa	ı			
19.0 Mechanical V	/entilation												
Summer Over	heating												
Windows	open in hot	weathe	r	Windows	fully open								
Cross vent	ilation poss	ible		Yes									
Night Vent	tilation			Yes				$\overline{}$					
Air change				8.00				\equiv					
Mechanical Ve													
	Ventilation S	System Pr	resent	No									
iviccitatiical	· Circilation 3	,,50011111	Joint	140									

20.0 Fans, Open Fireplaces, Flues





Number of Chimneys Number of open flues	MHS 0 0	SHS	Other 0 0	Total 0 0
Number of intermittent fans Number of passive vents Number of flueless gas fires				3 0 0
21.0 Fixed Cooling System	No]
22.0 Lighting				
Internal				_
Total number of light fittings	12			
Total number of L.E.L. fittings	12			
Percentage of L.E.L. fittings	100.00			
External				7
External lights fitted	No			
23.0 Electricity Tariff	Standard			
24.0 Main Heating 1	Database			
Description	Gas Combi Boi	ler		
Percentage of Heat	100] %
Database Ref. No.	18119]
Fuel Type	Mains gas]
Main Heating	BGW			
SAP Code	104			
In Winter	90.0			
In Summer	87.0			
Controls	CBI Time and t	emperature zo	ne control	
PCDF Controls	0			
Delayed Start Stat	Yes			
Sap Code	2110			
Flue Type	Balanced			
Fan Assisted Flue	Yes			
Is MHS Pumped	Pump in heate	d space		
Heat Emitter	Radiators			
Flow Temperature	Normal (> 45°C			
Combi boiler type	Standard Comb	oi		_
Combi keep hot type	None			
25.0 Main Heating 2	None			
Community Heating	None			
28.0 Water Heating	HWP From ma	in heating 1		
Water Heating	Main Heating 1	l		
Flue Gas Heat Recovery System	Yes			
Waste Water Heat Recovery Instantaneous System 1	No			
Waste Water Heat Recovery	No			



No

Instantaneous System 2 Waste Water Heat Recovery



Storage System					
Solar Panel	No				
Water use <= 125 litres/person/day	Yes				
SAP Code	901				
28.1 Flue Gas Heat Recovery System					
Database ID	60076				
Brand Model	Vaillant, PF	GHRD/1			
Details	Year: 2013	+ current			
	Applicable	Fuel: 1			
	Boiler Type	s: RCSK			
	Heat Store	Volume: 0			
	PV module	: 0			
29.0 Hot Water Cylinder	None				
32.0 Photovoltaic Unit	One Dwelli	ng			
PV Cells kWp C	Prientation	Elevation	Overshading	Connected to Dwelling	
1.50 S	outh West	30°	Modest	Yes	

Recommendations

Lower cost measures

None

Further measures to achieve even higher standards

None





Property Reference	6395-0001-4066-22-02	6395-0001-4066-22-02				31/07/2022		
Assessment Reference	001	Prop Type Ref						
Project	Unit 2, 24, Hampton Road	Unit 2, 24, Hampton Road, Twickenham, London						
Calculation Type	New Build (As Designed)	New Build (As Designed)						
SAP Rating		90 B	90 B DER 10.94 TER 16.					
Environmental		91 B	% DER <ter< th=""><th></th><th>35.31</th><th></th></ter<>		35.31			
CO₂ Emissions (t/year)		0.99	DFEE	48.32	TFEE	53.97		
General Requirements	s Compliance	Pass	% DFEE <tfe< th=""><th>E</th><th>10.48</th><th></th></tfe<>	E	10.48			
Assessor Details Mr. Christopher Bills, Premi-Air Testing and energy assessment services, Tel: 07751 824354, chris@premi-airtesting.co.uk						6395-0001		
Client								

Building Elements

Roof 000002 - Pitched roof - insulated at ceiling

Roof Type: Pitched Roof, insulated flat ceiling

Layer	Description	Thickness	Conductivity	Resistance	Fraction
Layer	Description	(mm)	(W/m²K)	(m ² K/W)	(%)
Ext surface				0.0400	
Layer 1	Roof space				
	Main construction	0	0.2000	0.2000	100.00
Layer 2	Mineral wool				
	Main construction	250	0.0400	6.2500	100.00
	Corrections - Air Gap: Level 0, Fasteners: None or				
	plastic				
Layer 3	Mineral wool quilt				
	Main construction	150	0.0400	3.7500	87.50
	Main construction	150	0.1300	1.1538	12.50
	Corrections - Air Gap: Level 0, Fasteners: None or				
	plastic				
Layer 4	Plasterboard, standard				
	Main construction	15	0.2100	0.0714	100.00
Int surface				0.1000	

Total resistance: Upper limit = 9.996 m² K/W Lower limit = 9.588 m² K/W Average = 9.792 m² K/W

 $\label{eq:correction} \textbf{Total correction} = \ 0.0030 \ \text{m}^2 \ \text{K/W} \qquad \qquad \textbf{U-value (unrounded)} = \ 0.1 \ \ \text{W/m}^2 \ \text{K}$

Unheated space: None

Total thickness: 415 mm U-value: 0.10 W/m² K Kappa: n/a





Property Reference	6395-0001-4066-22-02	6395-0001-4066-22-02				31/07/2022		
Assessment Reference	001 Prop Type Ref							
Project	Unit 2, 24, Hampton Road	d, Twickenham	ı, London					
Calculation Type	New Build (As Designed)	New Build (As Designed)						
SAP Rating		90 B	DER	10.94	TER	16.91		
Environmental		91 B	% DER <ter< th=""><th></th><th colspan="4">35.31</th></ter<>		35.31			
CO ₂ Emissions (t/year)		0.99	DFEE	48.32	TFEE	53.97		
General Requirements	Compliance	Pass	% DFEE <tfe< th=""><th>Ε</th><th>10.48</th><th></th></tfe<>	Ε	10.48			
Assessor Details Mr. Christopher Bills, Premi-Air Testing and energy assessment services, Tel: 07751 824354, chris@premi-airtesting.co.uk					l: Assessor ID	6395-0001		
Client								

Building Elements

Roof 000003 - Pitched roof - insulated at ceiling

Roof Type: Pitched Roof, insulated flat ceiling

Layer	Description	Thickness	Conductivity	Resistance	Fraction
Layer	Description	(mm)	(W/m²K)	(m²K/W)	(%)
Ext surface				0.0400	
Layer 1	Roof space				
	Main construction	0	0.2000	0.2000	100.00
Layer 2	Mineral wool				
	Main construction	150	0.0400	3.7500	100.00
	Corrections - Air Gap: Level 0, Fasteners: None or				
	plastic				
Layer 3	Mineral wool quilt				
	Main construction	150	0.0400	3.7500	87.50
	Main construction	150	0.1300	1.1538	12.50
	Corrections - Air Gap: Level 0, Fasteners: None or				
	plastic				
Layer 4	Plasterboard, standard				
	Main construction	15	0.2100	0.0714	100.00
Int surface				0.1000	

Total resistance: Upper limit = 7.456 m² K/W Lower limit = 7.088 m² K/W Average = 7.272 m² K/W

 $\label{eq:correction} \textbf{Total correction} = 0.0030 \ \text{m}^2 \ \text{K/W} \qquad \qquad \textbf{U-value (unrounded)} = 0.14 \ \ \text{W/m}^2 \ \text{K}$

Unheated space: None

Total thickness: 315 mm U-value: 0.14 W/m² K Kappa: n/a





Property Reference	6395-0001-4066-22-02	6395-0001-4066-22-02				31/07/2022		
Assessment Reference	001 Prop Ty							
Project	Unit 2, 24, Hampton Road	d, Twickenham	ı, London					
Calculation Type	New Build (As Designed)	New Build (As Designed)						
SAP Rating	90 B	DER	10.94	10.94 TER				
Environmental		91 B	% DER <ter< th=""><th></th><th>35.31</th><th></th></ter<>		35.31			
CO₂ Emissions (t/year)		0.99	DFEE	48.32	TFEE	53.97		
General Requirements	Compliance	Pass	% DFEE <tfe< th=""><th>E</th><th>10.48</th><th></th></tfe<>	E	10.48			
Assessor Details Mr. Christopher Bills, Premi-Air Testing and energy assessment services, Tel: 07751 824354, chris@premi-airtesting.co.uk					Assessor ID	6395-0001		
Client	Client							

Building Elements

Wall 000001 - Timber Framed warm frame or hybrid

Wall Type: Timber framed Wall with I-beams

Layer	Description	Thickness (mm)	Conductivity (W/m ² K)	Resistance (m²K/W)	Fraction (%)
Ext surface				0.0400	
Layer 1	Brick, outer leaf				
	Main construction	103	0.7700	0.1338	100.00
Layer 2	Standard cavity				
	Main construction	52	0.2889	0.1800	100.00
	Corrections - Cavity Unventilated, Emissivity:				
	Normal				
Layer 3	Breather membrane				
	Main construction	1	0.0000	0.0000	100.00
Layer 4	Orientated Strand Board				
	Main construction	9	0.1300	0.0692	100.00
Layer 5	Standard cavity				
	Main construction	20	0.1143	0.1750	91.67
	Main construction	20	0.1300	0.1538	8.33
	Corrections - Cavity Unventilated, Emissivity:				
	Normal				
Layer 6	Thermawall TW50 zero ODP				
	Main construction	100	0.0220	4.5455	91.67
	Main construction	100	0.1300	0.7692	8.33
	Corrections - Air Gap: Level 1, Fasteners: None or				
	plastic				
Layer 7	Standard cavity				
	Main construction	20	0.1143	0.1750	91.67
	Main construction	20	0.1300	0.1538	8.33
	Corrections - Cavity Unventilated, Emissivity:				
_	Normal				
Layer 8	Vapour control layer				
_	Main construction	1	0.0000	0.0000	100.00
Layer 9	Plasterboard,				
	Main construction	12.5	0.2100	0.0595	100.00
Int surface				0.1300	

Total resistance: Upper limit = 4.657 m² K/W Lower limit = 4.184 m² K/W Average = 4.420 m² K/W

Total correction = 0.0053 m² K/W **U-value (unrounded) =** 0.23 W/m² K





Unheated space: None

Total thickness: 319 mm U-value: 0.23 W/m² K Kappa: n/a





Property Reference 6395-0001-4066-22-02				Issued on Date	31/07/2022			
Assessment Reference 001				Prop Type Ref				
Project	l, Twickenham	n, London						
Calculation Type	New Build (As Designed)							
SAP Rating		90 B	DER	10.94	TER	16.91		
Environmental		91 B	% DER <ter< th=""><th></th><th colspan="4">35.31</th></ter<>		35.31			
CO ₂ Emissions (t/year)		0.99	DFEE	48.32	TFEE	53.97		
General Requirements Compliance		Pass	% DFEE <tfe< th=""><th>E</th><th colspan="4">10.48</th></tfe<>	E	10.48			
Assessor Details Mr. Christopher Bills, Premi-Air Testing and energy assessment services, Tel: 07751 824354, chris@premi-airtesting.co.uk 6395-0001								
Client								

Building Elements

Floor 000004 - Floor - suspended beam-and-block floor

Floor Type: Suspended Floor

Area = 60.50 m², Perimeter = 33.84 m, Wall thickness = 300.00 mm, Soil: Clay

Depth of underfloor space below ground:0.200 m Floor wind shielding: Average (suburban)

Floor height above ground:h = 0.000 m

U-value of walls above ground:Uw = 1.500 m

Ventilation openings per perimeter length:e = 0.0015 %

Mean wind speed:v = 5.000 m/s

Resistance on solum:Rg = 0.000 m²K/W

Lavor	Description	Thickness	Conductivity	Resistance	Fraction
Layer		(mm)	(W/m^2K)	(m^2K/W)	(%)
Ext surface				0.1700	
Layer 1	AAC (600 kg/m3)/ concrete				
	Main construction	100	0.1800	0.5556	86.30
	Main construction	100	1.3500	0.0741	13.70
Layer 2	Polythene,1000 gauge				
	Main construction	2	0.0000	0.0000	100.00
ayer 3	Thermafloor TF70 zero ODP				
	Main construction	150	0.0220	6.8182	100.00
	Corrections - Air Gap: Level 1, Fasteners: None or				
	plastic				
Layer 4	Screed				
	Main construction	75	1.1500	0.0652	100.00
Int surface				0.1700	

Total correction = 0.0080 m² K/W U-value (unrounded) = $0.11 \text{ W/m}^2 \text{ K}$

Unheated space: None

Total thickness: 327 mm U-value: 0.11 W/m² K Kappa: n/a



THERMAL BRIDGING

Calculation Type: New Build (As Designed)



Property Reference				Issued on Date	31/07/2022				
Assessment	Prop Type R		Prop Type Ref						
Reference									
Property	Unit 2, 24, Hampton Road, Twickenham, London								
SAP Rating		90 B	DER	10.94	TER	16.91			
Environmental	91 B	% DER <ter< th=""><th></th><th colspan="5">35.31</th></ter<>		35.31					
CO ₂ Emissions (t/year)		0.99	DFEE	48.32	TFEE	53.97			
General Requirements Compliance		Pass	% DFEE <tfe< th=""><th>E</th><th colspan="5">10.48</th></tfe<>	E	10.48				
Assessor Details Mr. Christopher Bills, Premi-Air Testing and energy assessment services, Tel: Assessor ID 6395-000: 07751 824354, chris@premi-airtesting.co.uk									
Client									

	Junction detail	Source Type	Psi (W/mK)	Length (m)	Result	Reference
External wall	E2 Other lintels (including other steel lintels)	Independently assessed	0.024	14.62	0.35	ECD TF01
External wall	E3 Sill	Table K1 - Approved	0.040	13.67	0.55	TFW-WD-02
External wall	E4 Jamb	Table K1 - Approved	0.050	40.80	2.04	TFW-WD-03
External wall	E5 Ground floor (normal)	Table K1 - Approved	0.160	33.84	5.41	TFW-GF-01
External wall	E6 Intermediate floor within a dwelling	Table K1 - Approved	0.070	32.36	2.27	TFW-IF-01
External wall	E10 Eaves (insulation at ceiling level)	Table K1 - Approved	0.060	36.34	2.18	TFW-RE-01
External wall	E24 Eaves (insulation at ceiling level - inverted)	Table K1 - Default	0.240	2.50	0.60	
External wall	E16 Corner (normal)	Table K1 - Default	0.180	15.00	2.70	
External wall	E17 Corner (inverted – internal area greater than external area)	Table K1 - Default	0.000	5.00	0.00	
External wall	E18 Party wall between dwellings	Table K1 - Default	0.120	10.00	1.20	
Party wall	P1 Party wall - Ground floor	Table K1 - Default	0.160	10.00	1.60	
Party wall	P2 Party wall - Intermediate floor within a dwelling	Table K1 - Default	0.000	10.00	0.00	
Party wall	P4 Party wall - Roof (insulation at ceiling level)	Table K1 - Default	0.240	10.00	2.40	

Total: 21.30 W/mK: Y-Value: 0.091 W/m²K:



PREDICTED ENERGY ASSESSMENT



Unit 2, 24, Hampton Road, Twickenham, London Dwelling type: House, Semi-Detached

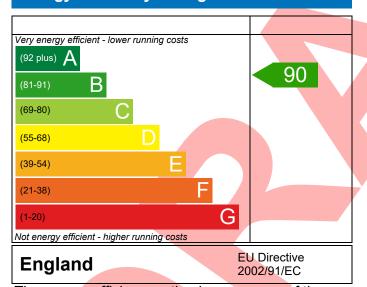
Date of assessment: 31/07/2022 Produced by: Christopher Bills

Total floor area: 119.17 m²

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.

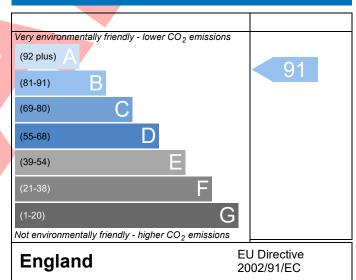
The energy performance has been assessed using the Government approved SAP2012 methodology and is rated in terms of the energy use per square meter of floor area; the energy efficiency is based on fuel costs and the environmental impact is based on carbon dioxide (CO₂) emissions.

Energy Efficiency Rating



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 (CO₂) Rating



The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions. The higher the rating the less impact it has on the environment.

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

