Summary for Input Data



Property Reference	5832 Plot 24 Iss								l on Date	19/04	9/04/2023	
Assessment Reference	As De	As Designed Prop Type Ref										
Property												
SAP Rating			81 B	DER		4.73			TER	1	.83	
Environmental			96 A	% DER	< TER					60).02	
CO ₂ Emissions (t/year)			0.35	DFEE		36.70)		TFEE	30	6.85	
Compliance Check			See BREL	% DFEE	E < TFEI	E				0.	41	
% DPER < TPER			19.33	DPER		49.88	3		TPER	6	1.83	
Assessor Details	Mr. Mark R	oberts							Assesso	ID P	471-0001	
Client												
SUMMARY FOR INPL	JT DATA FO	R: New Build (As Designed)									
Drientation		,	North									
Property Tenture			ND									
Transaction Type			6									
errain Type			Suburban									
.0 Property Type			House, Semi-Detach	ied								
Which Floor			0									
2.0 Number of Storeys			2									
3.0 Date Built			2023									
I.0 Sheltered Sides		0										
.0 Sunlight/Shade	Average or unknown											
6.0 Thermal Mass Parame		Precise calculation										
Thermal Mass	N/A	k	J/m²K									
.0 Electricity Tariff			Standard									
Smart electricity meter	fitted		Yes									
Smart gas meter fitted			Yes									
7.0 Measurements												
			Basemen Ground floo 1st Store 2nd Store 3rd Store 4th Store 5th Store 6th Store 7th Store	t: r: y: y: y: y: y:	0.00 m 25.72 r 25.72 r 0.00 m 0.00 m 0.00 m 0.00 m 0.00 m 0.00 m	ท ท า า า า	Int	ternal Flo 0.00 n 39.30 r 39.30 r 0.00 n 0.00 n 0.00 n 0.00 n 0.00 n	n ² m ² n ² n ² n ² n ² n ²		e Storey H 0.00 m 2.33 m 2.58 m 0.00 m 0.00 m 0.00 m 0.00 m 0.00 m 0.00 m	eigr
3.0 Living Area			32.06					m	l			
9.0 External Walls Description	Туре	Construction		U-Value (W/m²K) (Gross		Shelter Res	Shelter	Opening	s Area Calc Typ	
Plinth Brick Timber	Timber Frame Timber Frame Timber Frame	Timber framed wall (one layer of plasterboard) one layer of plasterboard) one layer of plasterboard)	0.15 0.15 0.15 0.15	9.00 9.00 9.00 9.00	7.72 33.44 53.86	7.72 24.54 49.04	0.00 0.00 0.00	None None None	0.00 8.90 4.82	Enter Gros Enter Gros Enter Gros	ss Ar ss Ar
0.1 Party Walls			41					K		01- 11		
Description	Туре	Construc				(W/m²K)	Kappa (kJ/m ² K)		Shelter Res	Shelte	
Party Wall 1	Solid Wall		asterboard on both sid ut sheathing board	des, twin ti	imber f r	rame	0.00	20.00	42.69	0.00	None	
0.2 Internal Walls Description		Constructi	on								opa Are	a (n
GF FF			rd on timber frame rd on timber frame							. 9.		9.90 3.43
10.0 External Roofs Description	Туре	Construction				appa (J/m²K)A			helter Sh Code Fa	nelter Calcu	ulationOpe	ənin

Summary for Input Data



External Roof 1	External Plane Roof	Plasterbo	oard, ir	sulated at ceiling level	0.11	9.00	39.30	(m² 0.0		0.00	Enter Gros Area	s 0.00
10.2 Internal Ceilings Description GF		Storey owest occu	upied	Construction Plasterboard ceiling, c	arpeted chi	pboard fl	oor					ea (m²) 99.30
11.0 Heat Loss Floors Description	Туре	Storey Inde	x	Construction			J-Value	s	Shelter Code			pa Area (m²)
Heatloss Floor 1	Ground Floor - Soli	d Lowest occu	upied	Suspended concrete floor, ca	rpeted	(W/m²K) 0.12		None		actor (kJ/m 0.00 0.0	1 ²K) 0 39.30
11.2 Internal Floors												
Description		Storey Index	Con	struction							Kappa (kJ/m²K)	
FF		Index	Plas	terboard ceiling, carpeted	d chipboard	floor					9.00	39.30
12.0 Opening Types												
Description	Data Source	Туре		Glazing		Glazi Ga			G-value	Frame Type	Frame Factor	U Value (W/m²K)
Windows Door	Manufacturer Manufacturer	Window Solid Doo	or	Double Low-E Soft	0.05		Air F Air F	illed	0.63 0.00	Wood Wood	0.70 0.70	1.20 1.20
13.0 Openings												
Name N D Brick N W Brick W Timber E W Brick E W Timber S W Brick S W Timber	Opening Ty Door Windows Windows Windows Windows Windows Windows	/pe		Location Brick Brick Timber Brick Timber Brick Timber			entation North North East East South South		Area (2.1 1.3 1.9 0.6 0.7 4.8 2.1	5 1 3 2 2 3	P	itch 0 0 0 0 0 0 0 0
14.0 Conservatory				None								
-			l I	100					%			
15.0 Draught Proofing			l						70			
16.0 Draught Lobby				No								
17.0 Thermal Bridging 17.1 List of Bridges Bridge Type E1 Steel lintel with perf E3 Sill E4 Jamb E5 Ground floor (norma E6 Intermediate floor w E10 Eaves (insulation a E16 Corner (normal) E18 Party wall betweer E12 Gable (insulation a P1 Party wall - Ground P2 Party wall - Intermen P4 Party wall - Roof (in	al) ithin a dwelling at ceiling level) a dwellings tt ceiling level) floor diate floor within a	a dwelling	Inde Inde Inde Inde Inde Inde Inde Tabl Inde	Calculate Bridges rce Type pendently assessed pendently assessed	Length 10.22 9.19 23.10 17.05 11.11 9.45 9.45 8.67 8.67 8.67 8.67 8.67	Ps 0.1 0.0 0.0 0.1 0.1 0.0 0.0 0.0 0.0 0.0	7 0.1 3 0.0 4 0.1 2 0.1 7 0.0 6 0.0 2 0.1 7 0.0 6 0.0 7 0.0 7 0.0 2 0.1 7 0.0 2 0.2 0 0.2 0 0.0	17)3)4 14 12)7)6)2)7 32)0	Reference TRADA TRADA TRADA TRADA TRADA TRADA TRADA TRADA TRADA	:		Imported Yes Yes No No No No No No No No No
Y-value				0.08					W/m²K			
18.0 Pressure Testing				Yes								
Designed AP50			Í	4.00					m³/(h.m	²) @ 50	Pa	
Property Tested?			ĺ	Yes								
Test Method			i	Blower Door					ī			
As Built AP₅				0.10						m³/(h.m²) @ 50 Pa		
19.0 Mechanical Ventilatio	on								-			
Mechanical Ventilatio												
Mechanical Ventil	ation System Pre	sent	[Yes								
Approved Installa	tion		[No								
Mechanical Ventil	ation data Type		ĺ	Database								
Туре			ĺ	Mechanical extract ventil	ation - dece	entralise	ł					
MV Reference Nu			Ì	500769					ī			
	Imber			500703								
Duct Type	Imber		 	Flexible					7			
	Imber		 									



SFP from Installer Commissioning Certificate No 19.1 Mechanical extract ventilation - Decentralised SFP Fan/Room Type Count 0.15 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 0 Wet Room 0.11 Through Wall Fan 0 Kitchen 0.09 Through Wall Fan 0 Other Wet Room 20.0 Fans, Open Fireplaces, Flues No 21.0 Fixed Cooling System 22.0 Lighting No Fixed Lighting No Name Efficacy Power Capacity Count Lighting 1 92.86 . 650 35 Database 24.0 Main Heating 1 Percentage of Heat 100.00 % 105744 Database Ref. No. Electricity Fuel Type SAP Code 0 0.00 In Winter 0.00 In Summer Model Name WH-MDC09J3E5 Manufacturer Panasonic HVAC UK Ltd System Type Heat Pump Controls SAP Code 2207 **Delayed Start Stat** No **Burner Control** Modulating HETAS approved System No **Oil Pump Inside** No 0.00 FI Case None or Unknown Flue Type Fan Assisted Flue No Is MHS Pumped Pump in unheated space Heating Pump Age 2013 or later Heat Emitter Radiators and Underfloor Underfloor Heating Yes - Pipes in thin screed Flow Temperature Enter value 55.00 Flow Temperature Value No **Boiler Interlock** Combi boiler type No Combi None Combi keep hot type None 25.0 Main Heating 2 26.0 Heat Networks None 28.0 Water Heating Main Heating 1 Water Heating SAP Code 901 Flue Gas Heat Recovery System No

Summary for Input Data



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
Summer Immersion	No
Cold Water Source	From mains
Bath Count	1
Supplementary Immersion	No
Immersion Only Heating Hot Water	Yes

28.1 Showers

Description	Shower Type	Flow Rate [l/min]	Rated Power [kW]	Connected	Connected To
ath	Vented hot water system	7.00	• •	No	
Ens	Vented hot water system	7.00		No	

29.0 Hot Water Cylinder					r Cylinder						
Cylinder Stat]				
Cylinder In Heated Space]				
Independent Time Control]				
Insulation Type					d Loss]				
Cylinder Volume].				
Loss							kWh/day				
Pipes insulation					lated primar	y pipework]				
In Airing Cupboard]				
31.0 Thermal St	ore			None]		
34.0 Small-scale	e Hydro			None]		
Electricity Generated]				
Apportioned							kWh/Year				
Connected to dwelling's electricity meter]				
Electricity Generation]				
Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Recommendations Lower cost measures

None Further measures to achieve even higher standards

None