Summary for Input Data



Property Reference	5832 Plot 23							Issued	Issued on Date			19/04/2023	
Assessment Reference	As Des	signed			Pro	р Туре	Ref						
Property													
SAP Rating			81 B	DER		4.7	3		TER	11	.83		
Environmental			96 A	% DER	< TER					60).02		
CO ₂ Emissions (t/year)			0.35	DFEE		36.	70		TFEE	36	6.85		
Compliance Check			See BREL	% DFE	E < TFE	E				0.	41		
% DPER < TPER			19.33	DPER		49.	88		TPER	6	1.83		
Assessor Details	Mr. Mark R	oberts							Assesso	r iD P4	471-00	01	
Client													
	UT DATA FO	R: New Build ((As Designed)										
Drientation			North										
Property Tenture			ND										
ransaction Type			6										
errain Type			Suburban										
.0 Property Type			House, Semi-Detac	ned									
Which Floor			0										
2.0 Number of Storeys			2										
3.0 Date Built			2023										
.0 Sheltered Sides			0										
5.0 Sunlight/Shade	Average or unknow												
5.0 Thermal Mass Param	Precise calculation												
Thermal Mass	N/A	k.	J/m²K										
7.0 Electricity Tariff			Standard										
Smart electricity meter	fitted		Yes										
-	Inteu		Yes										
Smart gas meter fitted			les										
7.0 Measurements			Basemer Ground floo 1st Store 2nd Store 3rd Store 4th Store 5th Store 6th Store 7th Store	nt: or: y: y: y: y: y: y: y:	Loss Pe 0.00 n 25.72 r 25.72 r 0.00 n 0.00 n 0.00 n 0.00 n 0.00 n 0.00 n	n m n n n n	er Inf	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 0.00 n	n ² m ² n ² n ² n ² n ² n ² n ²		e Stor 0.00 r 2.33 r 2.58 r 0.00 r 0.00 r 0.00 r 0.00 r 0.00 r	n n n n n n n	
3.0 Living Area			32.06					m	1 ²				
0.0 External Walls Description	Туре	Construction			Kappa	Gross		Shelter	Shelter	Opening	s Area	Calculati	
Plinth Brick Timber	Timber Frame Timber Frame Timber Frame	Timber framed wall ((one layer of plasterboard) (one layer of plasterboard) (one layer of plasterboard)	(W/m*K) 0.15 0.15 0.15	9.00 9.00 9.00 9.00	7.72 33.44 53.86	7.72) Area (m²) 7.72 24.54 49.04	Res 0.00 0.00 0.00	None None None	0.00 8.90 4.82	Ente	Type r Gross Ar r Gross Ar r Gross Ar	
.1 Party Walls	_	-								.	-	•	
Description	Туре	Construc	ction					Kappa (kJ/m²K)		Shelter Res	Sł	nelter	
Party Wall 1	Solid Wall		lasterboard on both si out sheathing board	des, twin	timber f ı	rame	0.00	20.00	42.69	0.00	N	lone	
0.2 Internal Walls Description		Construct	tion								opa n²K)	Area (n	
GF FF			ard on timber frame ard on timber frame							9. 9.	00 00	39.90 83.43	
10.0 External Roofs Description	Туре	Construction	1		Value K /m²K)(k.		Gross Area(m²)		helter Si Code Fa	nelter Calcu actor Ty	latior	Openin	

Summary for Input Data



External Roof 1	External Plane Roof	Plasterbo	ard, ir	sulated at ceiling level	0.11	9.00	39.30	(m²) 0.00	None	0.00	Enter Gros Area	s 0.00
10.2 Internal Ceilings Description GF		Storey _owest occu	ıpied	Construction Plasterboard ceiling, ca	arpeted chi	pboard fl	oor					ea (m²) 99.30
11.0 Heat Loss Floors Description	Туре	Storey Inde	x	Construction			J-Value W/m²K)	Shel	ter Code		helter Kap factor (kJ/m	pa Area (m²) l²K)
Heatloss Floor 1	Ground Floor - Soli	d Lowest occu	pied	Suspended concrete floor, car	rpeted	``	0.12	١	None		0.00 75.0	
11.2 Internal Floors		C	•									
Description		Storey Index		struction							Kappa (kJ/m²K)) . ,
FF			Plas	terboard ceiling, carpeted	d chipboard	floor					9.00	39.30
12.0 Opening Types Description	Data Source	Туре		Glazing		Glazi Gaj			-value	Frame Type	Frame Factor	U Value (W/m²K)
Windows Door	Manufacturer Manufacturer	Window Solid Doc	or	Double Low-E Soft	0.05	Ga	Air Fil Air Fil	lled	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	ype		Location Brick Brick Timber Brick Timber Brick Timber			entation North North North West West South South		Area 2.1 1.3 1.9 0.6 0.7 4.8 2.1	5 11 13 12 12 13	P	itch 0 0 0 0 0 0 0 0
14.0 Conservatory]	None								
-				100					%			
15.0 Draught Proofing 16.0 Draught Lobby				No					70			
17.0 Thermal Bridging 17.1 List of Bridges Bridge Type E1 Steel lintel with perform E3 Sill E4 Jamb E5 Ground floor (normal E6 Intermediate floor with E10 Eaves (insulation at E16 Corner (normal) E18 Party wall between E12 Gable (insulation at P1 Party wall - Ground P2 Party wall - Intermed P4 Party wall - Roof (inst	I) ithin a dwelling t ceiling level) dwellings t ceiling level) floor diate floor within a	a dwelling	Sou Inde Inde Inde Inde Inde Inde Inde Table	Calculate Bridges rce Type pendently assessed pendently assessed	Lengtt 10.22 9.19 23.10 17.05 17.05 11.11 9.45 8.67 8.67 8.67 8.67	n 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 0.0 4 0.1 2 0.1 7 0.0 6 0.0 2 0.0 7 0.0 6 0.0 7 0.0 2 0.3 0 0.0	7 TR. 3 TR. 4 TR. 4 TR. 2 TR. 7 TR. 6 TR. 2 TR. 2 TR. 7 TR. 2 0	ference ADA ADA ADA ADA ADA ADA ADA ADA ADA	×		Imported Yes Yes No No No No No No No No No No
Y-value			[0.08					W/m²K			
18.0 Pressure Testing Designed AP ₅₀ Property Tested? Test Method			[Yes 4.00 Yes Blower Door					m³/(h.n	1²) @ 50	Pa	
As Built AP₅₀				0.10					m³/(h.m	1²) @ 50	Pa	
19.0 Mechanical Ventilation	on											
Mechanical Ventilation												
Mechanical Ventil	ation System Pre	sent	[Yes								
Approved Installat	tion		[No								
Mechanical Ventil	ation data Type		[Database								
Туре			[Mechanical extract ventil	ation - dec	entralised	k					
MV Reference Nu	mber		[500769								
Duct Type			[Flexible								
Duct Type MVHR Efficiency				Flexible								



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] L				
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