

SUMMARY FOR INPUT DATA

Calculation Type: Conversion (As Built)

Property Reference	2- Plot 3 ASHP		Issued on Date	06/02/2024	
Assessment Reference	001	Prop Type Ref	Refurb Plot 3		
Property	Flat 3, Quilter House, 2A Tankerville Road, London, SW16 5FX				
SAP Rating	82 B	DER	N/A	TER	N/A
Environmental	84 B	% DER<TER	N/A		
CO ₂ Emissions (t/year)	1.20	DFEE	N/A	TFEE	N/A
General Requirements Compliance	N/A	% DFEE<TFEE	N/A		
Assessor Details	Mr. Matthew Edis, Sustainable Construction Services Ltd, Tel: 0845 6807 175, medis@scspartnership.co.uk			Assessor ID	V539-0001
Client					

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Orientation	South East						
Property Tenure	Unknown						
Transaction Type	New dwelling						
Terrain Type	Urban						
1.0 Property Type	Flat, Semi-Detached						
2.0 Number of Storeys	1						
3.0 Date Built	2021						
4.0 Sheltered Sides	2						
5.0 Sunlight/Shade	Average or unknown						
6.0 Measurements		Heat Loss Perimeter	Internal Floor Area	Average Storey Height			
	Ground Floor:	1.00 m	70.90 m ²	2.65 m			
7.0 Living Area	28.30	m ²					
8.0 Thermal Mass Parameter	Precise calculation						
Thermal Mass	254.87	kJ/m ² K					
9.0 External Walls	Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Gross Area (m ²)	Nett Area (m ²)
	External Wall MAT 1 New	Cavity Wall	Cavity wall : plasterboard on dabs, dense block, filled cavity, any outside structure	0.15	150.00	3.29	0.99
	Ext Wall Grey brick - Existing	Cavity Wall	Cavity wall : plasterboard on dabs, dense block, filled cavity, any outside structure	0.15	150.00	47.66	32.69
9.1 Party Walls	Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Area (m ²)	
	Wall to Apartments	Filled Cavity with Edge Sealing	Single plasterboard on both sides, dense cellular blocks, cavity	0.00	70.00	59.60	
9.2 Internal Walls	Description	Construction			Kappa (kJ/m ² K)	Area (m ²)	
	Internal Wall	Plasterboard on timber frame			9.00	155.79	
10.1 Party Ceilings	Description	Construction			Kappa (kJ/m ² K)	Area (m ²)	
	Party Ceiling	Other			30.00	70.90	

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11.0 Heat Loss Floors

Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Area (m ²)
Floor over Class E	Exposed Floor - Solid	Suspended concrete floor, carpeted	0.20	75.00	70.90

12.0 Opening Types

Description	Data Source	Type	Glazing	Glazing Gap	Argon Filled	G-value	Frame Type	Frame Factor	U Value (W/m ² K)
W1 door	Manufacturer	Window	Double glazed			0.36		0.70	1.40
ET09 101	Manufacturer	Solid Door							0.63

13.0 Openings

Name	Opening Type	Location	Orientation	Curtain Type	Overhang Ratio	Wide Overhang	Width (m)	Height (m)	Count	Area (m ²)	Curtain Closed
W1 door	Solid Door	[1] External Wall MAT 1 New	South East							2.30	
W2/3/4/5	Window	[2] Ext Wall Grey brick - Existing	North West	None	0.00					8.82	
W6	Window	[2] Ext Wall Grey brick - Existing	North	None	0.00					2.20	
W7	Window	[2] Ext Wall Grey brick - Existing	North East	None	0.00					2.20	
W8	Window	[2] Ext Wall Grey brick - Existing	North East	None	0.00					1.75	

14.0 Conservatory

15.0 Draught Proofing

 %

16.0 Draught Lobby

17.0 Thermal Bridging

Y-value

W/m²K

18.0 Pressure Testing

Designed AP₅₀

m³/(h.m²) @ 50 Pa

Property Tested ?

As Built AP₅₀

m³/(h.m²) @ 50 Pa

19.0 Mechanical Ventilation

Summer Overheating

Windows open in hot weather

Cross ventilation possible

Night Ventilation

Air change rate

Mechanical Ventilation

Mechanical Ventilation System Present

Approved Installation

Mechanical Ventilation data Type

Type

MV Reference Number

Configuration

MVHR Duct Insulated

Manufacturer SFP

Duct Type

MVHR Efficiency

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Wet Rooms

1

20.0 Fans, Open Fireplaces, Flues

	MHS	SHS	Other	Total
Number of Chimneys	0		0	0
Number of open flues	0		0	0
Number of intermittent fans				0
Number of passive vents				0
Number of flueless gas fires				0

21.0 Fixed Cooling System

No

22.0 Lighting

Internal

Total number of light fittings	10	
Total number of L.E.L. fittings	10	
Percentage of L.E.L. fittings	100.00	%

External

External lights fitted: No

23.0 Electricity Tariff

Standard

24.0 Main Heating 1

Database	Database	
Percentage of Heat	100	%
Database Ref. No.	104367	
Fuel Type	Electricity	
Main Heating	PET	
SAP Code	224	
In Winter	0.0	
In Summer	0.0	
Controls	CHF Programmer and at least two room thermostats	
PCDF Controls	0	
Sap Code	2205	
Is MHS Pumped	in unheated space	
Heat Emitter	Radiators	
Flow Temperature	Normal (> 45°C)	

25.0 Main Heating 2

None

Community Heating: None

28.0 Water Heating

Water Heating	HWP From main heating 1
Flue Gas Heat Recovery System	Main Heating 1
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

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SAP Code	901
Immersion Only Heating Hot Water	No
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29.0 Hot Water Cylinder	Hot Water Cylinder
Cylinder Stat	Yes
Cylinder In Heated Space	Yes
Independent Time Control	Yes
Insulation Type	Foam
Insulation Thickness	60
Cylinder Volume	150.00
Pipes insulation	Fully insulated primary pipework
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31.0 Thermal Store	None

Recommendations

Lower cost measures

None

Further measures to achieve even higher standards

None