

Summary for Input Data



Property Reference	23577 - Flat 4	Issued on Date	31/07/2024
Assessment Reference	Proposed	Prop Type Ref	Conversion
Property			

SAP Rating	77 C	DER	29.24	TER	
Environmental	78 C	% DER < TER			N/A
CO ₂ Emissions (t/year)	1.48	DFEE	98.12	TFEE	
Compliance Check	See BREL	% DFEE < TFEE			
% DPER < TPER		DPER	160.32	TPER	

Assessor Details	Mr. Mohamed Egal	Assessor ID	AW35-0001
Client	23577, Maverick Property Investments Ltd		

SUMMARY FOR INPUT DATA FOR: Conversion (As Designed)

Orientation	Northeast
Property Tenure	ND
Transaction Type	6
Terrain Type	Suburban
1.0 Property Type	Flat, End-Terrace
Position of Flat	Mid-floor flat
Which Floor	1
2.0 Number of Storeys	1
3.0 Date Built	2024
4.0 Sheltered Sides	2
5.0 Sunlight/Shade	Average or unknown
6.0 Thermal Mass Parameter	Enter TMP value
Thermal Mass	250.00 kJ/m ² K
7.0 Electricity Tariff	Standard
Smart electricity meter fitted	No
Smart gas meter fitted	No

7.0 Measurements		Heat Loss Perimeter	Internal Floor Area	Average Storey Height
	Ground floor:	27.69 m	58.65 m ²	2.76 m

8.0 Living Area	25.63 m ²
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Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Gross Area(m ²)	Nett Area (m ²)	Shelter Res	Shelter	Openings	Area Calculation Type
Exist Wall Upgr	Solid Wall	Other	0.33		76.42	68.44	0.00	None	7.98	Enter Gross Area

Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Area (m ²)	Shelter Res	Shelter
Party Wall 1	Solid Wall	Other	0.00		8.22		None

Description	Type	Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Gross Area(m ²)	Nett Area (m ²)	Shelter Code	Shelter Factor	Calculation Type	Openings
Exist Flat Roof Upg	External Flat Roof	Plasterboard, insulated flat roof	0.09	9.00	58.65	54.69	None	0.00	Enter Gross Area	3.96

Description	Type	Storey Index	Construction	U-Value (W/m ² K)	Shelter Code	Shelter Factor	Kappa (kJ/m ² K)	Area (m ²)
Exist Ground Floor	Ground Floor - Solid	Lowest occupied	Other	0.19	None	0.00	0.00	58.65

Description	Data Source	Type	Glazing	Glazing Gap	Filling Type	G-value	Frame Type	Frame Factor	U Value (W/m ² K)
Windows Upg	Manufacturer	Window	Double Low-E Soft 0.05			0.74		0.70	1.38
Prop Rooflights	Manufacturer	Roof Window	Double Low-E Soft 0.05			0.63		0.70	1.40

13.0 Openings

Summary for Input Data



Name	Opening Type	Location	Orientation	Area (m²)	Pitch				
E Windows	Windows Upg	Exist Wall Upgr	East	5.37					
N Windows	Windows Upg	Exist Wall Upgr	North	2.61					
Rooflights	Prop Rooflights	Exist Flat Roof Upg	Horizontal	3.96	0				
14.0 Conservatory									
		None							
15.0 Draught Proofing									
		100	%						
16.0 Draught Lobby									
		Yes							
17.0 Thermal Bridging									
		Default							
Y-value									
		0.20	W/m²K						
18.0 Pressure Testing									
		No							
Test Method		Blower Door							
19.0 Mechanical Ventilation									
Mechanical Ventilation									
Mechanical Ventilation System Present		No							
20.0 Fans, Open Fireplaces, Flues									
21.0 Fixed Cooling System									
		No							
22.0 Lighting									
No Fixed Lighting		No							
	Name	Efficacy	Power	Capacity	Count				
	Low energy Lighting	80.00	10.00	800.00	10				
24.0 Main Heating 1									
		Database							
Percentage of Heat		100.00	%						
Database Ref. No.		17955							
Fuel Type		Mains gas							
In Winter		89.00							
In Summer		87.30							
Model Name		LOGIC COMBI							
Manufacturer		Ideal Boilers							
System Type		Combi boiler							
Controls SAP Code		2110							
PCDF Controls		0							
Delayed Start Stat		No							
Boiler Compensator		0							
Flue Type		Balanced							
Fan Assisted Flue		Yes							
Is MHS Pumped		Pump in heated space							
Heating Pump Age		2013 or later							
Heat Emitter		Radiators							
Flow Temperature		Enter value							
Flow Temperature Value		45.00							
Boiler Interlock		Yes							
Combi boiler type		Standard Combi							
Combi keep hot type		None							
25.0 Main Heating 2									
		None							
26.0 Heat Networks									
		None							
Heat Source	Fuel Type	Heating Use	Efficiency	Percentage Of Heat	Heat	Heat Power Ratio	Electrical	Fuel Factor	Efficiency type
Heat source 1									

Summary for Input Data

Heat source 2
Heat source 3
Heat source 4
Heat source 5

28.0 Water Heating

Water Heating	Main Heating 1
SAP Code	901
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	No
Cold Water Source	From mains
Bath Count	1

28.3 Waste Water Heat Recovery System

29.0 Hot Water Cylinder

	None
In Airing Cupboard	No

Recommendations

Lower cost measures

None

Further measures to achieve even higher standards

Typical Cost	Typical savings per year	Ratings after improvement	
		SAP rating	Environmental Impact
		0	0
		0	0
		0	0