

Summary for Input Data



Property Reference	J2024040	Issued on Date	05/06/2025
Assessment Reference	J2025040 - Insulated Render	Prop Type Ref	
Property	6 Wingfield Way, Ruislip, HA4 6RH		
SAP Rating	73 C	DER	30.09
Environmental	70 C	% DER < TER	N/A
CO ₂ Emissions (t/year)	3.51	DFEE	89.50
Compliance Check	N/A	% DFEE < TFEE	
% DPER < TPER		DPER	163.92
TPER		TPER	

Assessor Details	Mr. Joseph Cannon	Assessor ID	DM84-0001
Client	JM Design Studio, #		

SUMMARY FOR INPUT DATA FOR: Conversion (As Designed)

Orientation	Southeast
Property Tenure	1
Transaction Type	5
Terrain Type	Suburban
1.0 Property Type	House, End-Terrace
2.0 Number of Storeys	3
3.0 Date Built	2025
4.0 Sheltered Sides	1
5.0 Sunlight/Shade	Average or unknown
6.0 Thermal Mass Parameter	Precise calculation
Thermal Mass	131.57
	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:		34.06 m	61.89 m ²	2.50 m
1st Storey:		25.51 m	41.66 m ²	2.65 m
2nd Storey:		23.31 m	33.27 m ²	2.28 m

8.0 Living Area	15.26	m ²
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9.0 External Walls		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
External Walls (solid brick)	Solid Wall	Other	0.40	110.00	88.03	77.44	0.00	None	10.59	Enter Gross Area
Extension Walls (Measured)	Cavity Wall	Other	0.19	0.00	80.02	61.07	0.00	None	18.95	Enter Gross Area
Stud Wall RIR (Assumed)	Timber Frame	Other	0.18	0.00	8.54	8.54	0.00	None	0.00	Enter Gross Area

9.1 Party Walls		Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Area (m ²)	Shelter Res	Shelter
Party Wall (assumed)	Solid Wall	Single plasterboard on dabs on both sides, dense blocks, cavity or cavity fill	0.00	70.00	43.07		None

9.2 Internal Walls		Construction	Kappa (kJ/m ² K)	Area (m ²)
Internal Walls		Plasterboard on timber frame	9.00	184.12

10.0 External Roofs		Construction	U-Value (W/m ² K)	Kappa (kJ/m ² K)	Gross Area(m ²)	Nett Area (m ²)	Shelter Code	Shelter Factor	Calibration	Openings Type
External Slope Roof (Assumed)	External Slope Roof	Plasterboard, insulated slope	0.18	9.00	20.14	18.52	None	0.00	Enter Gross Area	1.62
External Extension Roof	External Flat Roof	Plasterboard, insulated flat roof	0.18	9.00	36.13	36.13	None	0.00	Enter Gross Area	0.00
Plane Roof (Assumed)	External Plane Roof	Plasterboard, insulated at ceiling level	0.18	9.00	7.83	7.83	None	0.00	Enter Gross Area	0.00

10.2 Internal Ceilings

Summary for Input Data

Description	Storey	Construction	Area (m ²)						
Internal Ceiling GF	Lowest occupied	Plasterboard ceiling, carpeted chipboard floor	41.66						
Internal Ceiling FF	+1	Plasterboard ceiling, carpeted chipboard floor	33.27						
11.0 Heat Loss Floors									
Description	Type	Storey Index	Construction	U-Value (W/m ² K)	Shelter Code	Shelter Factor	Kappa (kJ/m ² K)	Area (m ²)	
Solid existing floor (assumed)	Ground Floor - Solid	Lowest occupied	Other	0.25	None	0.00	0.00	41.66	
Extension floor	Ground Floor - Solid	Lowest occupied	Slab on ground, screed over insulation	0.18	None	0.00	110.00	20.23	
11.2 Internal Floors									
Description	Storey Index	Construction	Kappa (kJ/m ² K)	Area (m ²)					
Internal Floor FF		Plasterboard ceiling, carpeted chipboard floor	9.00	41.66					
Internal Floor TF		Plasterboard ceiling, carpeted chipboard floor	9.00	33.27					
12.0 Opening Types									
Description	Data Source	Type	Glazing	Glazing Gap	Filling Type	G-value	Frame Type	Frame Factor	U Value (W/m ² K)
Windows (DG value assumed)	SAP table	Window	Double glazed	6 mm	Air Filled	0.76	PVC	0.70	3.10
Front Door	SAP table	Solid Door				0.00			3.00
Roof Windows	SAP table	Roof Window	Double glazed	6 mm	Air Filled	0.76	Wood	0.70	3.10
13.0 Openings									
Name	Opening Type	Location	Orientation	Area (m ²)	Pitch				
W01 01	Windows (DG value assumed)	External Walls (solid brick)	South East	3.44					
W01 02	Windows (DG value assumed)	Extension Walls (Measured)	South East	0.78					
EXD 01	Front Door	Extension Walls (Measured)	South East	1.86					
W01 03	Windows (DG value assumed)	Extension Walls (Measured)	South East	0.78					
W02 01	Windows (DG value assumed)	External Walls (solid brick)	South East	2.16					
RW01	Roof Windows	External Slope Roof (Assumed)	South East	0.81	37				
RW02	Roof Windows	External Slope Roof (Assumed)	South East	0.81	37				
W01 04	Windows (DG value assumed)	External Walls (solid brick)	North East	0.36					
W02 02	Windows (DG value assumed)	External Walls (solid brick)	North East	0.87					
W02 03	Windows (DG value assumed)	External Walls (solid brick)	North East	0.63					
EXD 02	Windows (DG value assumed)	Extension Walls (Measured)	North West	12.01					
W02 04	Windows (DG value assumed)	External Walls (solid brick)	North West	0.84					
W02 05	Windows (DG value assumed)	External Walls (solid brick)	North West	2.29					
W03 01	Windows (DG value assumed)	Extension Walls (Measured)	North West	0.84					
W03 02	Windows (DG value assumed)	Extension Walls (Measured)	North West	2.68					
14.0 Conservatory									
15.0 Draught Proofing					%				
16.0 Draught Lobby									
17.0 Thermal Bridging									
Y-value		0.20			W/m ² K				
19.0 Mechanical Ventilation									
Mechanical Ventilation									
Mechanical Ventilation System Present		No							
20.0 Fans, Open Fireplaces, Flues									
Number of open chimneys		0							
Number of open flues		0							
Number of chimneys/flues attached to closed fire		0							
Number of flues attached to solid fuel boiler		0							
Number of flues attached to other heater		0							
Number of blocked chimneys		0							
Number of intermittent extract fans		5							
Number of passive vents		0							
Number of flueless gas fires		0							

Summary for Input Data



21.0 Fixed Cooling System	No				
22.0 Pressure Testing	No				
Test Method	Blower Door				
22.0 Lighting	No				
No Fixed Lighting	Name	Efficacy	Power	Capacity	Count
	Lighting 1	90.00	3.00	270.00	20
24.0 Main Heating 1	SAP table				
Percentage of Heat	100.00				
Fuel Type	Mains gas				
SAP Code	104				
In Winter	79.00				
In Summer	75.00				
Controls SAP Code	2113				
Delayed Start Stat	Yes				
Flue Type	None or Unknown				
Fan Assisted Flue	No				
Is MHS Pumped	Pump in heated space				
Heating Pump Age	2013 or later				
Heat Emitter	Radiators and Underfloor				
Underfloor Heating	Yes - Pipes in thin screed				
Flow Temperature	Unknown				
Combi boiler type	Standard Combi				
Combi keep hot type	None				
25.0 Main Heating 2	None				
26.0 Heat Networks	None				
27.0 Secondary Heating	None				
28.0 Water Heating	Main Heating 1				
Water Heating	901				
SAP Code	No				
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	2				
28.3 Waste Water Heat Recovery System	None				
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		Environmental Impact
	£3,500 - £5,500	£223	SAP rating	C 73 C 77 0	C 71 C 71 0
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	£3,500 - £5,500	£223	SAP rating	C 73 C 77 0	C 71 C 71 0

Energy Report

Dwelling Address	6 Wingfield Way, Ruislip, HA4 6RH
Reference	J2024040-J2025040 - Insulated Render
Assessment Date	05/06/2025
Submission Date	
Property Type	House, End-Terrace
Total Floor Area	137

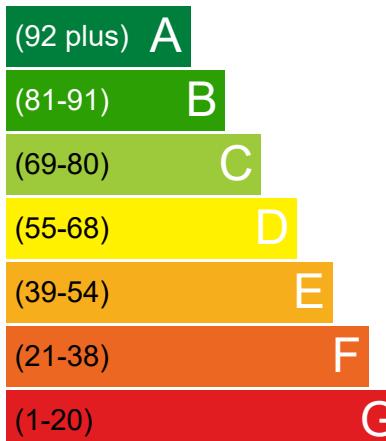
This Energy Report has been generated using the UK's National Calculation Methodology for dwellings, Standard Assessment Procedure (SAP). This methodology is used to assess the energy efficiency of dwellings which is calculated based on a dwelling's heating, hot water, ventilation and lighting usage.

This document is not an Energy Performance Certificate (EPC) as required by the Energy Performance of Buildings Regulations

Energy Efficiency Rating

Carbon Dioxide (CO2) Emissions Rating

Most energy efficient - lower running costs



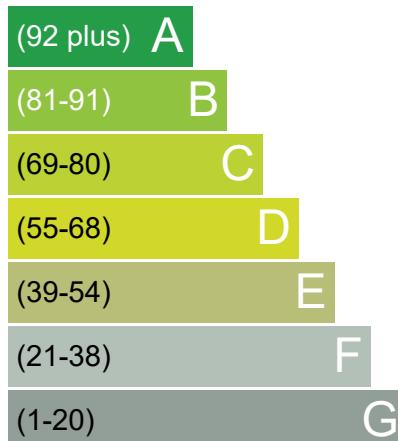
CURRENT

POTENTIAL

73

77

Very environmentally friendly - lower CO2 emissions



CURRENT

POTENTIAL

70

71

Additional ratings for your home

CURRENT

Primary
Energy

140.21

kWh

Energy

16848

kWh

Carbon

3514

kg

Cost

1116.56

£

HTC

320

W/K

POTENTIAL

130.84

kWh

15990

kWh

3399

kg

893.14

£

Breakdown of property's energy performance

Each feature is assessed as one of the following:

Very Poor	Poor	Average	Good	Very Good
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Feature	Description	Energy Performance
Walls	Average thermal transmittance 0.3 W/m ² K	Good
Roof	Average thermal transmittance 0.18 W/m ² K	Good
Floor	Average thermal transmittance 0.23 W/m ² K	Good
Windows	Fully double glazed	Poor
Main heating	Boiler with radiators and underfloor heating, mains gas	Good
Main heating controls	Room thermostat and TRVs	Average
Secondary heating	None	
Hot water	From main system	Good
Lighting	Good lighting efficiency	Good
Air tightness	(not tested)	

Recommendations

The recommended measures provided below will help to improve the energy efficiency of the dwelling. To reach the dwelling's potential energy rating all of the recommended measures shown below would need to be installed. Having these measures installed individually or in any other order may give a different result when compared with the cumulative potential rating.

Recommended measures	Cumulative savings (per year)	Cumulative rating	Typical costs	Incremental savings (per year)	Cumulative CO2 rating
Solar water heating	£29	C 73			C 71
Photovoltaic	£252	C 77	£3,500 - £5,500	£223	C 71

Energy Report



The typical cost is based on average installation prices across the country so may not be representative of the actual costs in your area.

Estimated energy costs of the dwelling

The table below shows the estimated running costs of the space and water heating and lighting within the dwelling. It does not include the energy used from household appliances. The estimated annual costs after potential improvements indicates the total energy cost if all recommended measures named above were installed.

	Estimated annual costs	Estimated annual costs after potential improvements	Potential future savings
Lighting 	£84	£84	
Heating 	£846	£846	
Hot Water 	£187	£187	
New Technologies e.g. Impact of PV	£0	-(£223)	
TOTAL	£1117	£893	

Estimated energy use and potential savings



About this document

Created by:

Company/Trading name:

Phone number:

Email address:

Disclaimer

This Energy Report should not under any circumstances be treated as a Condition Survey and cannot be used to indicate that any element of the dwelling (e.g. heating system) is working correctly.

This Energy Report must not be used in situations where an Energy Performance Certificate (EPC) is required.

This Energy Report is generated from a set of data inputs which may not reflect the actual dimensions, services or construction of the dwelling.

The calculation used to generate this report reflects the SAP Methodology current at the time of report generation.

Glossary terms for additional metrics

Primary Energy	The measure of the energy required for lighting, heating and hot water in a property. This includes the efficiency of the property's heating system, power station efficiency for electricity and the energy used to produce the fuel and deliver it to the property.
Energy Used	The estimated amount of fuel energy for lighting, heating and hot water for the property. The estimate is based on typical usage which is likely to be different to actual consumption.
Carbon (CO ₂)	The current emissions based on the energy estimates.
Cost	The estimated cost of energy. The cost of each unit of fuel is based on an industry standard which is likely to be different to those the occupier actually pays.
Heat Transfer Coefficient	Heat flow through the property envelope where internal and external temperatures are different.