

# 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	TER	
Environmental	70 C	% DER < TER			N/A
CO <sub>2</sub> Emissions (t/year)	3.51	DFEE	89.50	TFEE	
Compliance Check	N/A	% DFEE < TFEE			
% DPER < TPER		DPER	163.92	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 <sup>2</sup> K

7.0 Electricity Tariff	Standard
Smart electricity meter fitted	No
Smart gas meter fitted	No

7.0 Measurements	Ground floor:	Heat Loss Perimeter	Internal Floor Area	Average Storey Height
	1st Storey:	34.06 m	61.89 m <sup>2</sup>	2.50 m
	2nd Storey:	25.51 m	41.66 m <sup>2</sup>	2.65 m
		23.31 m	33.27 m <sup>2</sup>	2.28 m

8.0 Living Area	15.26 m <sup>2</sup>
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9.0 External Walls	Description	Type	Construction	U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m <sup>2</sup> K)	Gross Area(m <sup>2</sup> )	Nett Area (m <sup>2</sup> )	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	Description	Type	Construction	U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )	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	Description	Construction	Kappa (kJ/m <sup>2</sup> K)	Area (m <sup>2</sup> )
	Internal Walls	Plasterboard on timber frame	9.00	184.12

10.0 External Roofs	Description	Type	Construction	U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m <sup>2</sup> K)	Gross Area(m <sup>2</sup> )	Nett Area (m <sup>2</sup> )	Shelter Code	Shelter Factor	Calculation Type	Openings
	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 (m²)
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/m²K)	Shelter Code	Shelter Factor	Kappa (kJ/m²K)	Area (m²)
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/m²K)	Area (m²)
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/m²K)
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 (m²)	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

 W/m²K

## 19.0 Mechanical Ventilation

### Mechanical Ventilation

Mechanical Ventilation System Present

## 20.0 Fans, Open Fireplaces, Flues

Number of open chimneys	<input type="text" value="0"/>
Number of open flues	<input type="text" value="0"/>
Number of chimneys/flues attached to closed fire	<input type="text" value="0"/>
Number of flues attached to solid fuel boiler	<input type="text" value="0"/>
Number of flues attached to other heater	<input type="text" value="0"/>
Number of blocked chimneys	<input type="text" value="0"/>
Number of intermittent extract fans	<input type="text" value="5"/>
Number of passive vents	<input type="text" value="0"/>
Number of flueless gas fires	<input type="text" value="0"/>

# Summary for Input Data

<b>21.0 Fixed Cooling System</b>	<input type="text" value="No"/>				
<b>22.0 Pressure Testing</b>	<input type="text" value="No"/>				
Test Method	<input type="text" value="Blower Door"/>				
<b>22.0 Lighting</b>	<input type="text" value="No"/>				
No Fixed Lighting	<input type="text" value="No"/>				
	<b>Name</b> Lighting 1	<b>Efficacy</b> 90.00	<b>Power</b> 3.00	<b>Capacity</b> 270.00	<b>Count</b> 20
<b>24.0 Main Heating 1</b>	<input type="text" value="SAP table"/>				
Percentage of Heat	<input type="text" value="100.00"/>				%
Fuel Type	<input type="text" value="Mains gas"/>				
SAP Code	<input type="text" value="104"/>				
In Winter	<input type="text" value="79.00"/>				
In Summer	<input type="text" value="75.00"/>				
Controls SAP Code	<input type="text" value="2113"/>				
Delayed Start Stat	<input type="text" value="Yes"/>				
Flue Type	<input type="text" value="None or Unknown"/>				
Fan Assisted Flue	<input type="text" value="No"/>				
Is MHS Pumped	<input type="text" value="Pump in heated space"/>				
Heating Pump Age	<input type="text" value="2013 or later"/>				
Heat Emitter	<input type="text" value="Radiators and Underfloor"/>				
Underfloor Heating	<input type="text" value="Yes - Pipes in thin screed"/>				
Flow Temperature	<input type="text" value="Unknown"/>				
Combi boiler type	<input type="text" value="Standard Combi"/>				
Combi keep hot type	<input type="text" value="None"/>				
<b>25.0 Main Heating 2</b>	<input type="text" value="None"/>				
<b>26.0 Heat Networks</b>	<input type="text" value="None"/>				
<b>27.0 Secondary Heating</b>	<input type="text" value="None"/>				
<b>28.0 Water Heating</b>	<input type="text" value="Main Heating 1"/>				
Water Heating	<input type="text" value="Main Heating 1"/>				
SAP Code	<input type="text" value="901"/>				
Flue Gas Heat Recovery System	<input type="text" value="No"/>				
Waste Water Heat Recovery Instantaneous System 1	<input type="text" value="No"/>				
Waste Water Heat Recovery Instantaneous System 2	<input type="text" value="No"/>				
Waste Water Heat Recovery Storage System	<input type="text" value="No"/>				
Solar Panel	<input type="text" value="No"/>				
Water use <= 125 litres/person/day	<input type="text" value="No"/>				
Cold Water Source	<input type="text" value="From mains"/>				
Bath Count	<input type="text" value="2"/>				
<b>28.3 Waste Water Heat Recovery System</b>	<input type="text" value="None"/>				
<b>29.0 Hot Water Cylinder</b>	<input type="text" value="None"/>				
In Airing Cupboard	<input type="text" value="No"/>				

## Recommendations

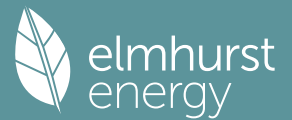
### Lower cost measures

None

### Further measures to achieve even higher standards

Typical Cost	Typical savings per year	Ratings after improvement	
		SAP rating	Environmental Impact
£3,500 - £5,500	£223	C 73	C 71
		C 77	C 71
		0	0

# Energy Report



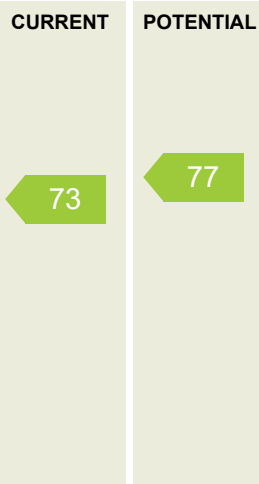
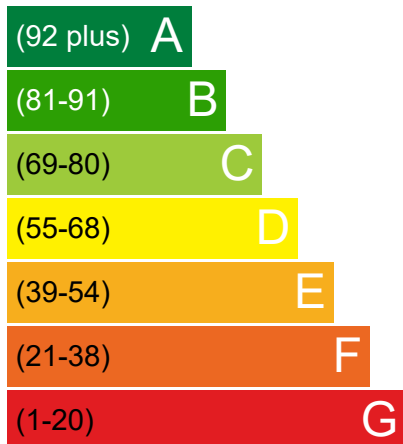
Dwelling Address	6 Wingfield Way, Ruislip, HA4 6RH
Reference	J2024040-J2025040 - Insulated Render
Assessment Date	05/06/2025
Submission Date	
Property Type	House, End-Terrace
Total Floor Area	137

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

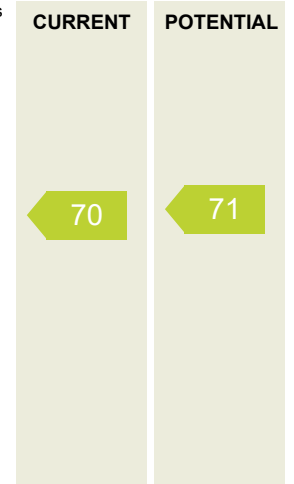
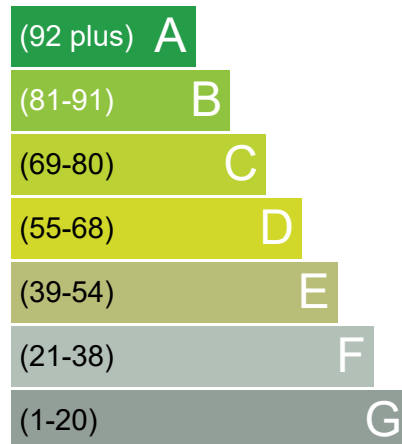
## Energy Efficiency Rating

Most energy efficient - lower running costs

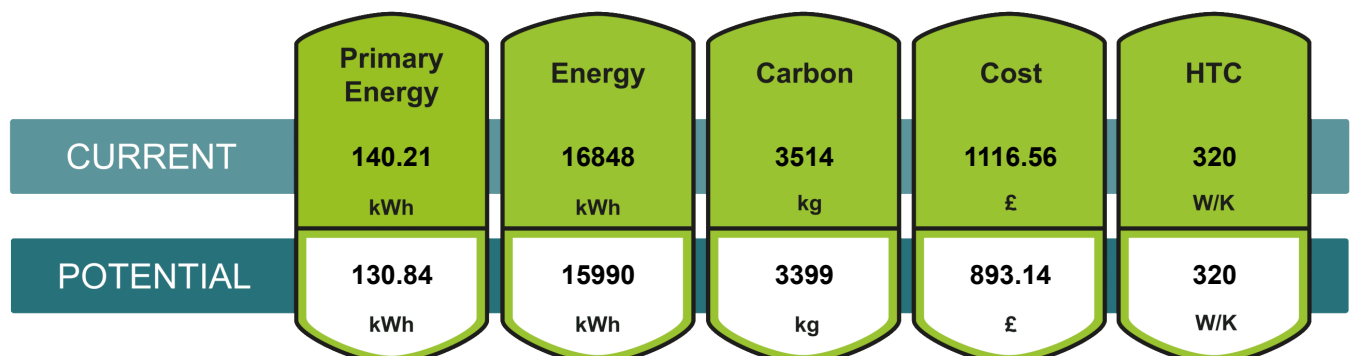


## Carbon Dioxide (CO2) Emissions Rating

Very environmentally friendly - lower CO2 emissions



## Additional ratings for your home



## 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 <sup>2</sup> K	Good
Roof	Average thermal transmittance 0.18 W/m <sup>2</sup> K	Good
Floor	Average thermal transmittance 0.23 W/m <sup>2</sup> 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

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



Space Heating

**13147**

kWh per year



Water Heating

**3338**

kWh per year

## 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 <sub>2</sub> )	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.