

DWELLING SIGN OFF REPORT

Section 1: Dwelling Information

Dwelling Address (Please confirm final postal address and post code of the dwelling.)

House Name	Flat 3	
House Number	51	
Postcode	EN6 4HD	
Street	Lambs Close	
Locality	Cuffley	
Town	POTTERS BAR	
County	Hertfordshire	

Dwelling Orientation North (Please confirm orientation of main entrance door of the dwelling.)

Comments

Terrain Type Suburban

Property Type Flat, Detached

Comments

Overshading (called Sunlight/shade in assessment) Average or unknown

Comments

Section 2: Dwelling Construction Details

Thermal Mass Parameter Simple calculation

Thermal Mass 250.00 kJ/m²K

Comments

External Walls

Type Timber Frame

Construction Timber framed wall (one layer of plasterboard)

U-value 0.14 W/m²K

Gross Area 52.90 m²

Layer Name	Thickness (mm)	Conductivity (W/m.K)	Resistance (m ² K/W)	Bridging
Tiling, concrete	10	1.5000	0.0067	100.00
airspace/timber battens	22	0.1222	0.1800	89.63 Timber
Breather membrane	3	0.0000	0.0000	100.00
Plywood	18	0.1300	0.1385	100.00
Standard cavity	50	0.2778	0.1800	90.00 Timber
Celotex GA4000	100	0.0220	4.5455	88.89 Timber
Celotex PL3065 [77.5mm]	77.5	0.0272	2.8500	100.00
Plaster, standard	4	0.4000	0.0100	100.00

Type Timber Frame

Construction Timber framed wall (one layer of plasterboard)

U-value 0.24 W/m²K

Gross Area 31.40 m²

Layer Name	Thickness (mm)	Conductivity (W/m.K)	Resistance (m ² K/W)	Bridging
Plaster, standard	3	0.4000	0.0075	100.00
Plasterboard, standard	12.5	0.2100	0.0595	100.00

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Mineral wool quilt	200	0.0420	4.7619	90.00 Timber
Plasterboard, standard	12.5	0.2100	0.0595	100.00
Plaster, standard	3	0.4000	0.0075	100.00

Comments

External Roofs

Type	External Flat Roof			
Construction	Plasterboard, insulated flat roof			
U-value	0.10	W/m ² K		
Gross Area	99.50	m ²		

Layer Name	Thickness (mm)	Conductivity (W/m.K)	Resistance (m ² K/W)	Bridging
Felt/bitumen layers	6	0.2300	0.0261	100.00
Plywood	18	0.1300	0.1385	100.00
Recticel Eurothane GP Insulation	100	0.0220	4.5455	100.00
Polythene, 500 gauge	0.25	0.0000	0.0000	100.00
Plywood	19	0.1300	0.1462	100.00
Recticel Eurothane GP Insulation	150	0.0220	6.8182	88.89 Timber
Standard cavity	100	0.6250	0.1600	88.89 Timber
Plasterboard, standard	12.5	0.2100	0.0595	100.00
Plaster, standard	3	0.4000	0.0075	100.00

Comments

Opening Types

Description	Type	Glazing	Frame Type	U Value (W/m ² K)
Windows	Window	Triple Low-E Soft 0.1	PVC	1.50
Door	Solid Door			1.60
Roof Window	Roof Window	Triple Low-E Soft 0.05	PVC	1.50

Comments

Openings

Name	Opening Type	Location	Orientation	Area (m ²)
N Door	Solid Door	[2] Shelter Wall	North	1.68
E Windows	Window	[1] External Wall	East	8.40
S Windows	Window	[1] External Wall	South	1.68
W Windows	Window	[1] External Wall	West	6.60
Roof Window	Roof Window	[1] Flat Roof	Horizontal	0.64

Comments

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Thermal Bridging

Calculate Bridges

List of Bridges

Bridge Type	Source Type	Length (m)	Psi (W/mK)	Reference
E2 Other lintels (including other steel lintels)	Table K1 - Approved	9.70	0.300	
E3 Sill	Table K1 - Approved	8.90	0.040	
E4 Jamb	Table K1 - Approved	29.00	0.050	
E7 Party floor between dwellings (in blocks of flats)	Table K1 - Approved	52.90	0.070	
E14 Flat roof	Table K1 - Default	52.90	0.080	
E16 Corner (normal)	Table K1 - Approved	9.80	0.090	
R1 Head of roof window	Table K1 - Default	0.80	0.080	
R2 Sill of roof window	Table K1 - Default	0.80	0.060	
R3 Jamb of roof window	Table K1 - Default	1.60	0.080	

Y-value

0.075

W/m²K

Comments

Where specific construction details have been used documentary evidence should be provided to the SAP assessor, usually in the form of signed checklists.

Pressure Testing

Yes

As Built AP₅₀

m³/(h.m²) @ 50 Pa

Where an air pressure test has been carried out a copy of the test certificate should be forwarded to the SAP assessor.

Comments

Section 3: Dwelling Systems

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				3
Number of passive vents				0
Number of flueless gas fires				0

Comments

Internal Lighting

Total number of light fittings

15

Total number of L.E.L. fittings

15

Percentage of L.E.L. fittings

100.00

%

Comments

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External Lighting

External lights fitted

Comments

Electricity Tariff

Comments

Main Heating 1

Fuel Type

Main Heating

Efficiency (Split Efficiencies) %

Brand, Model

Flue Type

Fan Assisted Flue

Heat Emitter

Flow Temperature

Comments

Heating Controls

Description

Boiler Interlock

Delayed Start Stat

Compensator

Comments

Main Heating 2

Comments

Water Heating System

Water Heating

Supplementary Immersion

Comments

Section 4: Dwelling Renewable Energy

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Section 5: Declaration

I confirm that all details provided above are accurate to the best of my knowledge.

Signed

Date