

Property Reference		2- Plot 9 ASHP Issued on Date							)2/2024
Assessment Reference	001	001 Prop Type Ref Refurb Plot 9							
Property	Flat 9, Quilter House, 2A Tankerville Road, London, SW16 5FX								
				_					
SAP Rating			79 C	DER	N/	/A	TER		N/A
Environmental			84 B	% DER <ter< td=""><td></td><td></td><td colspan="3">N/A</td></ter<>			N/A		
CO <sub>2</sub> Emissions (t/year)			0.80	DFEE	N/	/A	TFEE		N/A
General Requirements	s Compliance		N/A	% DFEE <tfee< td=""><td></td><td></td><td>N/A</td><td></td><td></td></tfee<>			N/A		
	Ir. Matthew Ed 75, medis@scs			on Services Ltd, T	el: 0845 68	807	Assessor I	D V53	9-0001
Client									
SUMMARY FOR INPUT	DATA FOR: C	onversion (A	s Built)						
Drientation		South East							
Property Tenure		Unknown							
Fransaction Type		New dwellin	lg						
Ferrain Type		Urban	-						
L.0 Property Type		Flat, Semi-D	etached						
2.0 Number of Storeys		1							
3.0 Date Built		2021							
1.0 Sheltered Sides		2							
-		Average or u		Heat Loss Perimet 1.00 m	er Inte	e <b>rnal Floor</b> 37.60 m <sup>2</sup>		verage Stor 3.57 r	
5.0 Measurements			I		<b>er Inte</b> m²			-	
5.0 Measurements 7.0 Living Area	eter	G	round Floor:		1			-	
6.0 Measurements 7.0 Living Area	eter	GI 29.80	round Floor:		1			-	
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Parame Thermal Mass	eter	Gi 29.80 Precise calcu	round Floor:		m²			-	
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Parame Thermal Mass	eter Type	Gi 29.80 Precise calcu 232.32	round Floor:		m²	37.60 m <sup>2</sup>	Карра	3.57 r Gross Area	n Nett Are
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Paramo Thermal Mass 9.0 External Walls Description	Туре	Gi 29.80 Precise calcu 232.32 Con	round Floor: ulation	1.00 m	m² kJ/m²K	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K)	Kappa (kJ/m²K)	3.57 r Gross Area (m²)	Nett Are (m²)
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Paramo Thermal Mass 9.0 External Walls	<b>Type</b> v Cavity Wal	Gi 29.80 Precise calcu 232.32 Con II Cavi cavi II Cavi	I round Floor: Jation struction ity wall : plasterbo ty, any outside str ity wall : plasterbo	1.00 m	m² kJ/m²K block, filled	37.60 m <sup>2</sup>	Карра	3.57 r Gross Area	n Nett Are
5.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramo Thermal Mass 9.0 External Walls Description External Wall MAT 1 New	<b>Type</b> v Cavity Wal	Gi 29.80 Precise calcu 232.32 Con II Cavi cavi II Cavi cavi	I round Floor: Jation struction ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str	1.00 m	m <sup>2</sup> kJ/m <sup>2</sup> K block, filled block, filled	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K) 0.15	Карра (kJ/m²K) 150.00	3.57 r Gross Area (m²) 15.38	n Nett Arc (m²) 6.84
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Paramo Thermal Mass 9.0 External Walls Description External Wall MAT 1 New Ext Wall Grey brick - Exis Gable MAT 1 New	Type v Cavity Wal ting Cavity Wal Cavity Wal	Gi 29.80 Precise calcu 232.32 Con II Cavi cavi II Cavi cavi II Cavi cavi	I round Floor: Jation struction ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str	1.00 m 1.00 m bard on dabs, dense b ructure bard on dabs, dense b ructure bard on dabs, dense b ructure bard on dabs, dense b	m <sup>2</sup> kJ/m <sup>2</sup> K block, filled block, filled	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K) 0.15 0.15 0.15	Карра (kJ/m²K) 150.00 150.00 150.00	3.57 r Gross Area (m²) 15.38 15.38 3.15	Nett Arr (m²) 6.84 12.35 3.15
5.0 Measurements 7.0 Living Area 8.0 Thermal Mass Paramo Thermal Mass 9.0 External Walls Description External Wall MAT 1 New Ext Wall Grey brick - Exis	Type v Cavity Wal ting Cavity Wal Cavity Wal	Gi 29.80 Precise calcu 232.32 Con II Cavi II Cavi II Cavi II Cavi II Cavi	I round Floor: Jation struction ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str	1.00 m Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h	m <sup>2</sup> kJ/m <sup>2</sup> K block, filled block, filled	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K) 0.15 0.15	Карра (kJ/m²K) 150.00 150.00	3.57 r Gross Area (m²) 15.38 15.38	Nett Are (m²) 6.84 12.35
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Parame Thermal Mass 9.0 External Walls Description External Wall MAT 1 New Ext Wall Grey brick - Exist Gable MAT 1 New Gable Grey brick - Existin	Type v Cavity Wal ting Cavity Wal Cavity Wal	Gi 29.80 Precise calcu 232.32 Con II Cavi II Cavi II Cavi II Cavi II Cavi	I round Floor: Jation struction ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str ity wall : plasterbo	1.00 m Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h	m <sup>2</sup> kJ/m <sup>2</sup> K block, filled block, filled	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K) 0.15 0.15 0.15	Карра (kJ/m²K) 150.00 150.00 150.00	3.57 r Gross Area (m²) 15.38 15.38 3.15	Nett Arr (m²) 6.84 12.35 3.15
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Paramo Thermal Mass 9.0 External Walls Description External Wall MAT 1 New Ext Wall Grey brick - Exist Gable MAT 1 New Gable Grey brick - Existin 9.1 Party Walls Description	Type v Cavity Wal ting Cavity Wal Cavity Wal ng Cavity Wal	Gi 29.80 Precise calcu 232.32 Con II Cavi cavi II Cavi cavi II Cavi cavi II Cavi cavi Con Con	struction struction ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str struction	1.00 m	m <sup>2</sup> kJ/m <sup>2</sup> K block, filled block, filled block, filled	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K) 0.15 0.15 0.15 0.15	Kappa (kJ/m²K) 150.00 150.00 150.00 150.00 U-Value (W/m²K)	3.57 r Gross Area (m²) 15.38 15.38 3.15 3.15 3.15 Kappa (kJ/m²K)	n Nett Arc (m²) 6.84 12.35 3.15 3.15 3.15 Area (m²)
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Parame Thermal Mass 9.0 External Walls Description External Wall MAT 1 New Ext Wall Grey brick - Exist Gable MAT 1 New Gable Grey brick - Existin	Type v Cavity Wal ting Cavity Wal Cavity Wal	Gi 29.80 Precise calcu 232.32 Con II Cavi Cavi II Cavi cavi II Cavi cavi II Cavi cavi II Cavi cavi Con Con ty with Sing	struction struction ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str struction	1.00 m Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h Fucture Dard on dabs, dense h	m <sup>2</sup> kJ/m <sup>2</sup> K block, filled block, filled block, filled	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K) 0.15 0.15 0.15 0.15	Kappa (kJ/m²K) 150.00 150.00 150.00 150.00 U-Value	3.57 r Gross Area (m²) 15.38 15.38 3.15 3.15 3.15	Nett Are (m²) 6.84 12.35 3.15 3.15 3.15 Area
5.0 Measurements 7.0 Living Area 3.0 Thermal Mass Parame Thermal Mass 9.0 External Walls Description External Wall MAT 1 New Ext Wall Grey brick - Exist Gable MAT 1 New Gable Grey brick - Existin 9.1 Party Walls Description Wall to Apartments	Type v Cavity Wal ting Cavity Wal Cavity Wal ng Cavity Wal ng Cavity Wal Filled Cavit Edge Seali	Gi 29.80 Precise calcu 232.32 Con II Cavi Cavi II Cavi cavi II Cavi cavi II Cavi cavi II Cavi cavi Con Con ty with Sing	struction struction ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str struction	1.00 m	m <sup>2</sup> kJ/m <sup>2</sup> K block, filled block, filled block, filled	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K) 0.15 0.15 0.15 0.15	Kappa (kJ/m²K) 150.00 150.00 150.00 150.00 U-Value (W/m²K)	3.57 r Gross Area (m²) 15.38 15.38 3.15 3.15 3.15 (kJ/m²K) 70.00	m Nett Arr (m <sup>2</sup> ) 6.84 12.35 3.15 3.15 3.15 3.15 3.15 3.15 3.15 3
<ul> <li>9.0 External Walls         Description         External Wall MAT 1 New         Ext Wall Grey brick - Existing         Gable MAT 1 New         Gable Grey brick - Existing         9.1 Party Walls         Description         Wall to Apartments         9.2 Internal Walls         Description     </li> </ul>	v Cavity Wal ting Cavity Wal Cavity Wal og Cavity Wal ng Cavity Wal Filled Cavity Edge Seali	Gi 29.80 Precise calcu 232.32 Con II Cavi II Cavi II Cavi II Cavi II Cavi II Cavi II Cavi Con II Cavi Con II Cavi Con II Cavi Cavi II Cavi Cavi Cavi II Cavi Cavi II Cavi Cavi II Cavi Cavi II Cavi Cavi II Cavi Cavi II Cavi	struction struction ity wall : plasterbo ty, any outside str ity wall : plasterbo ty, any outside str struction	1.00 m	m <sup>2</sup> kJ/m <sup>2</sup> K block, filled block, filled block, filled	37.60 m <sup>2</sup> U-Value (W/m <sup>2</sup> K) 0.15 0.15 0.15 0.15	Kappa (kJ/m²K) 150.00 150.00 150.00 150.00 U-Value (W/m²K)	3.57 r Gross Area (m²) 15.38 15.38 3.15 3.15 3.15 (kJ/m²K) 70.00	Nett Are (m²) 6.84 12.35 3.15 3.15 3.15 Area (m²) 37.56

10.0 External Roofs





						-					
Description	Туре		Const	ruction				U-Value (W/m²K)	Kappa (kJ/m²K)	Gross Area (m²)	Nett Area (m²)
Pitched Roof	Extern	nal Slope Roof	Plaste	rboard, insulate	ed slope			0.18	9.00	50.37	47.71
11.1 Party Floors Description		Construction								Kappa (kJ/m²K)	Area (m²)
Party Floor		Precast concr	ete plan	ks floor, screed	, carpeted					40.00	37.60
12.0 Opening Typ	95										
Description	Data Source	Туре		Glazing		Glazing Gap	Argon Filled	G-valu	e Frame Type	Frame Factor	U Value (W/m²K)
W1 Door	Manufacture r	e Window		Double glazed				0.36		0.70	1.40
R1	Manufacture r	e Roof Windo	W	Triple glazed				0.27		0.66	1.20
ET23		e Solid Door									0.63
ET24	, Manufacture r	e Window		Triple glazed				0.53		0.79	0.99
ET23A	Manufacture r	e Window		Triple glazed				0.53		0.80	0.90
13.0 Openings											
Name	Opening Type	Location		Orientation	Curtain Type	Overhang Ratio	Wide Overhang	Width (m)	Height Cour (m)	nt Area (m²)	Curtain Closed
W1 Door	Solid Door	<ul><li>[1] External W</li><li>1 New</li></ul>	/all MAT	South East			_			2.21	
W2/W3	Window	[2] Ext Wall G - Existing	rey brick	North West	None	0.00				3.03	
W4	Window	[1] External W 1 New	/all MAT	South East	None	0.00				5.06	
R1	Roof Window	[1] Pitched Ro	of	South West	None					1.33	
R2	Roof Window	[1] Pitched Ro		North East	None					1.33	
W1A	Solid Door	[1] External V 1 New	/all MAT	South East						1.27	
14.0 Conservatory	/	None									
15.0 Draught Proc	ofing	100					%				
16.0 Draught Lobl	ру	No									
17.0 Thermal Brid	ging	Defau	lt								
Y-value		0.150					W/m²K				
18.0 Pressure Tes	ting	Yes									
Designed AP <sub>50</sub>		10.00					m³/(h.m²)	@ 50 Pa			
Property Teste	ed ?	Yes									
As Built AP <sub>50</sub>							m³/(h.m²)	@ 50 Pa			
19.0 Mechanical \	/entilation										
Summer Over	heating										
Windows	open in hot weathe	er W	indows	slightly open							
Cross ventilation possible			Yes								
Night Ventilation			No								
Air change rate			00								
Mechanical V	entilation										
Mechanical	Ventilation System P	resent Ye	S								
Approved	Approved Installation		No								
Mechanica	Mechanical Ventilation data Type			Database							
Туре		Ba	lanced	mechanical v	entilation	with heat					
		I					1				





25.0 Main Heating 2	None			]
Flow Temperature	Normal (> 45°0	2)		
Heat Emitter	Radiators			
Is MHS Pumped	in unheated sp	ace		
Sap Code	2205			
PCDF Controls	0			
	thermostats			
Controls	-	er and at least	two room	Ī
In Summer	0.0			Ī
In Winter	0.0			1
SAP Code	224			1
Main Heating	PET			1
Fuel Type	Electricity			1
Database Ref. No.	100			] ~
Percentage of Heat	100			] %
24.0 Main Heating 1	Database			
23.0 Electricity Tariff	Standard			]
External lights fitted	No			]
External				_
Percentage of L.E.L. fittings	100.00			_ ] %
Total number of L.E.L. fittings	10			1
Total number of light fittings	10			1
Internal				
22.0 Lighting				
21.0 Fixed Cooling System	No			]
Number of flueless gas fires				0
Number of passive vents				0
Number of intermittent fans	0		0	0
Number of Chimneys Number of open flues	0 0		0 0	0 0
	MHS	SHS	Other	Total
20.0 Fans, Open Fireplaces, Flues				
Wet Rooms	1			
MVHR Efficiency	91.00			
Duct Type	Rigid			
Manufacturer SFP	0.76			
MVHR Duct Insulated	Yes			
Configuration	1			
MV Reference Number	500140			
	recovery			

Community Heating	None				
28.0 Water Heating	HWP From main heating 1				
Water Heating	Main Heating 1				
Flue Gas Heat Recovery System	No				





Waste Water Heat Recovery	No					
, Instantaneous System 1						
Waste Water Heat Recovery	No					
Instantaneous System 2						
Waste Water Heat Recovery	No					
Storage System						
Solar Panel	No					
Water use <= 125 litres/person/da	ay Yes					
SAP Code	901					
Immersion Only Heating Hot Wate	er No					
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			L		
Pipes insulation	Fully insulat	ted primary pipew	vork			
31.0 Thermal Store	None					
32.0 Photovoltaic Unit	One Dwellin	ıg				
PV Cells kWp	Orientation	Elevation	Overshading	5	Connected to Dwelling	
0.50	South	30°	Modest		No	

Recommendations

Lower cost measures

None

Further measures to achieve even higher standards

None

