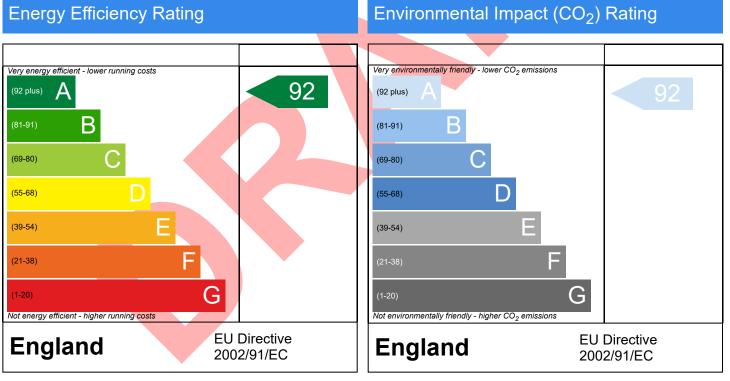


182-184, Bitterne Rd W, Southampton, Hampshire, SO18 1BH

Dwelling type: Date of assessment: Produced by: Total floor area: DRRN: Flat, Detached 04/04/2024 Kieran Mckerr 44.31 m²

This document is a Predicted Energy Assessment for properties marketed when they are incomplete. It includes a predicted energy rating which might not represent the final energy rating of the property on completion. Once the property is completed, this rating will be updated and an official Energy Performance Certificate will be created for the property. This will include more detailed information about the energy performance of the completed property.

The energy performance has been assessed using the Government approved SAP 10 methodology and is rated in terms of the energy use per square meter of floor area; the energy efficiency is based on fuel costs and the environmental impact is based on carbon dioxide (CO2) emissions.



The energy efficiency rating is a measure of the overall efficiency of a home. The higher the rating the more energy efficient the home is and the lower the fuel bills are likely to be. The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating the less impact it has on the environment.



Property Reference	2759				Issued on Date	04/04/2024
Assessment Reference	(Gas Boiler) Flat 1 Update Prop Type Ref					
Property	182-184, Bitterne Rd W	, Southampton, Hamp	shire, SO18 1BH		L	
SAP Rating		92 A	DER	13.06	TER	17.76
Environmental		92 A	% DER < TER			26.46
CO ₂ Emissions (t/year)		0.46	DFEE	32.78	TFEE	47.10
Compliance Check		See BREL	% DFEE < TFEE	:		30.39
% DPER < TPER		29.66	DPER	66.79	TPER	94.95
Assessor Details M	: Kieran Mckerr				Assessor ID	BA75-0001
Client 00	01, Andrew Jones					
SUMMARY FOR INPUT DA	TA FOR: New Build ((As Designed)				
Orientation		East				
Property Tenture		2				
Transaction Type		6				
Terrain Type		Suburban				
1.0 Property Type		Flat, Detached				
Position of Flat		Mid-floor flat				
Which Floor		1				
2.0 Number of Storeys		1				
3.0 Date Built		2023				
4.0 Sheltered Sides		2				
5.0 Sunlight/Shade		Average or unknown				
6.0 Thermal Mass Parameter		Precise calculation				
6.0 Thermal Mass Parameter 7.0 Electricity Tariff		Precise calculation 7 Hour Off Peak				

7 0	Maaarinamaanta	
1.0	Measurements	

			Ground floor		28.00		r In		Floor Are	a Av		store 30 m	/ Height
8.0 Living Area			16.44						m²				
9.0 External Walls													
Description	Туре	Construction		U-Value (W/m ² K)	Kappa (kJ/m²K)		Nett Area (m ²)	Shelter Res	She	lter O	penings		alculation
External Wall	Solid Wall	Solid wall : dense plas externally	ter, 210 mm brick, insulated	0.14	135.00	45.19	35.08	0.00	Nor	ne	10.11		Gross Area
Corridor Wall	Solid Wall		ter, 210 mm brick, insulated	0.14	135.00	19.21	17.11	1.00	Nor	ne	2.10	Enter	Gross Area
9.2 Internal Walls													
Description		Constructio	on								Kappa (kJ/m²		Area (m²)
Party Wall		Dense block	k, plasterboard on dabs	;							75.00		47.75
10.1 Party Ceilings													
Description		Constructio	on								Kappa (kJ/m²		Area (m²)
Party Ceiling 1		Other									30.00		44.31
11.0 Heat Loss Floors													
Description	Туре	Storey Index	Construction				-Value //m²K)	Sł	elter Code			Kappa (J/m²K	Area (mª
Exposed Floor	Exposed Floor - Solid	Lowest occupied	Other				0.13		None			120.00	, 44.31
12.0 Opening Types													
Description	Data Source	Туре	Glazing			Glazin Gap		ing pe	G-value	Frame Type	Fran Fact		U Value (W/m²K)
Corridor Door	Manufacturer						,	-					`1.00 ´
External Glazing	Manufacturer	Window	Triple Low-E So	ft 0.05					0.34		0.8	3	0.80

13.0 Openings



Name Corridor Door North Windows North West Windows North West Windows	Opening Type Corridor Door External Glazing External Glazing External Glazing	Location Corridor Wall External Wall External Wall External Wall		Orientation East North North West West	Area (m²) 2.10 3.31 3.40 3.40	Pitch
14.0 Conservatory		None]	
15.0 Draught Proofing		100			%	
16.0 Draught Lobby		No]	
17.0 Thermal Bridging 17.1 List of Bridges		User Input]	
Bridge Type E2 Other lintels (including of E2 Other lintels (including of E3 Sill E4 Sill E4 Jamb E4 Jamb E20 Exposed floor (normal) E7 Party floor between dwo P3 Party wall - Intermediate (in blocks of flats)	other steel lintels) other steel lintels)) ellings (in blocks of flats)	ource Type	Length 1.00 5.35 5.35 1.00 8.40 4.20 21.85 21.85 5.23	Psi Adjusted F	Reference:	Imported No No No No No No No No
Y-value		0.04			W/m²K	
Description		Thermohouse			-	
18.0 Pressure Testing		Yes			1	
Designed AP ₅₀		3.00]] m³/(h.m²) @ 50 Pa	
Test Method		Blower Door] /(II.III) @ 30 Fa	
]	
19.0 Mechanical Ventilation Mechanical Ventilation						
Mechanical Ventilation	n System Present	Yes]	
Mechanical Ventilation	n data Type	Data Sheet]	
Туре		Balanced mechan	ical ventilation with he	eat recovery]	
MVHR Duct Insulated	I	Insulated Ducts]	
Manufacturer SFP		0.54]	
Duct Type		Rigid]	
MVHR Efficiency		89.60]	
Wet Rooms		1]	
Brand, Model		Flakt Group]	
SFP from Installer Co	mmissioning Certificate	No			1	
MVHR System Locati	on	Outside heated en	velope (not installed	exclusively)	ĺ	
20.0 Fans, Open Fireplaces, I	Flues				-	
21.0 Fixed Cooling System		No]	
22.0 Lighting						
No Fixed Lighting		No Name Lighting 1	Efficacy 119.90	Power 100	Capacity 12000	Count
24.0 Main Heating 1		Database]	
Percentage of Heat		100.00			%	
Database Ref. No.		18648]	
Fuel Type		Mains gas]	
In Winter		84.10]	
In Summer		98.90]	
Model Name		IC Economiser 27	Plus		1	
Manufacturer		ATAG Verwarming			1	
System Type		Combi boiler			Ī	
					-	



		1
Controls SAP Code	2103	
Delayed Start Stat	No	
Flue Type	Balanced	
Fan Assisted Flue	Yes	
Is MHS Pumped	Pump in unheated space	
Heating Pump Age	2013 or later	
Heat Emitter	Underfloor	
Underfloor Heating	Yes - Pipes in thin screed	
Flow Temperature	Enter value	
Flow Temperature Value	55.00	
Boiler Interlock	No	
Combi boiler type	Standard Combi	
Combi keep hot type	None]
25.0 Main Heating 2	None]
26.0 Heat Networks	None	
Space Community Heating	L	I
Heat Source Fuel Type Heating U	se Efficiency Percentage Of Heat Heat Ele Heat Power	ctrical Fuel Factor Efficiency type
Heat source 1	Ratio	
Heat source 2 Heat source 3		
Heat source 4		
Heat source 5		
28.0 Water Heating Water Heating	Main Heating 1	1
SAP Code	901]
Flue Gas Heat Recovery System	Yes]
Waste Water Heat Recovery Instantaneous System 1	No]
Waste Water Heat Recovery Instantaneous System 7 Waste Water Heat Recovery Instantaneous System 2	No]
Waste Water Heat Recovery Instantaneous System 2	No]
Solar Panel	No]
	Yes]
Water use <= 125 litres/person/day]
Cold Water Source	From header tank]
Bath Count	0	
28.1 Showers Description Shower Typ	e Flow Rate Rated Power C [//min] [kW]	Connected Connected To
28.2 Flue Gas Heat Recovery System		
Database ID	0	
Brand Model		
Details]
28.3 Waste Water Heat Recovery System		
29.0 Hot Water Cylinder	None	
In Airing Cupboard	No]
32.0 Photovoltaic Unit	Multiple Dwellings – Connected]
Export Capable Meter?	Yes	
Connected To Dwelling	Yes]
Diverter	No]
Battery Capacity [kWh]	2.75	
· · ·		•



	PV Cell	s kWp	Orientation	Elevation	Overshading	FGHRS	MCS Certificate	Overshading Factor	MCS Certificate Reference	Panel Manufacturer
	1.01 0.18		South South	Horizontal Horizontal			No No	1.00 1.00	Reference	
34.0 Sn	nall-scale	Hydro			None					
	Jan	Feb	Mar	Apr	May Jun	Jul	Aug	Sep Oc	t Nov	Dec
Recom	mendatio	ns								

Lower cost measures None

Further measures to achieve even higher standards

Ratings after improvementSAP ratingEnvironmental Impact00 **Typical Cost** Typical savings per year

Overview Report

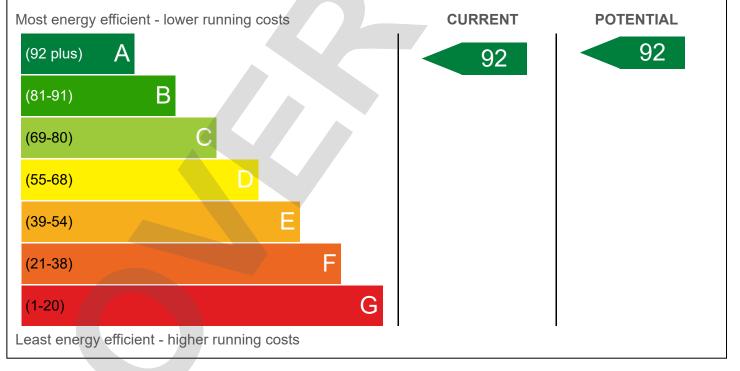


Dwelling Address	182-184, Bitterne Rd W, Southampton, Hampshire, SO18 1BH
Report Date	04/04/2024
Property Type	Flat, Detached
Floor Area [m ²]	44

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

Energy Rating

The current energy rating represents the overall energy efficiency of the dwelling. The potential energy rating is the overall energy rating of the dwelling after all of the recommend measures provided on the next page have been installed. A higher score represents a more energy efficient dwelling with lower fuel bills.





Breakdown of property's energy performance

Each feature is assessed as one of the following:

Very Poor	Poor	Average	Good	Very Good		
Feature	Description			Energy Performance		
Walls	Average thermal transmit	ttance 0.13 W/m²K		Very Good		
Floor	Average thermal transmit	ttance 0.12 W/m²K		Very Good		
Windows	High performance glazin	Very Good				
Main heating	Boiler and underfloor hea	Good				
Main heating controls	Room thermostat only	Poor				
Secondary heating	None					
Hot water	From main system	m main system		rom main system		Very Good
Lighting	Excelent lighting efficience	Very Good				
Air tightness	Air permeability [AP50] =	3.0 m³/h.m² (assumed)		Good		

Primary Energy use

The primary energy use for this property per year is 51 kilowatt hour (kWh) per square metre

Estimated CO₂ emissions of the dwelling

The estimated CO rating provides an indication of the dwelling's impact on the environment in terms of carbon dioxide emissions; the higher the rating the less impact it has on the environment.

The estimated CO emissions for this dwellings is:	0.5	per year		
With the recommended measures the potential CC) emissions	s could be:	0	per year



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 measure	Typical	Potential Rating	Cumulative	Cumulative
	Yearly	after	savings	Potential
	Saving	measure installed	(per year)	Rating

Estimated energy use and potential savings



The estimated cost and savings show how much the average household would spend in this property for heating, lighting and hot water. It is not based on how energy is used by the people living at the property.

Contacting the assessor and the accreditation scheme

As	sessor contact details
Assessor name	Mr. Kieran Mckerr
Assessor's accreditation number	
Email Address	

Overview Report



Accreditation scheme contact details				
Accreditation scheme				
Telephone				
Email Address				

Assessment details	
Related party disclosure	
Date of assessment	04/04/2024
Date of certificate	04/04/2024
Type of assessment	SAP, new dwelling