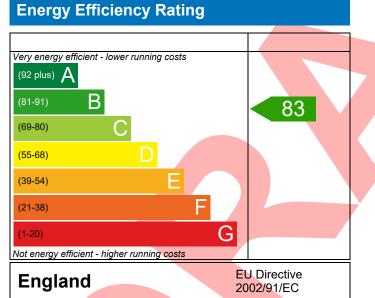


Masonry, Plot 69, 1 Bed, K, B Dwelling type: Date of assessment: Produced by: Total floor area:

Flat, End-Terrace 06/08/2021 Mitchell Bennellick 48.55 m²

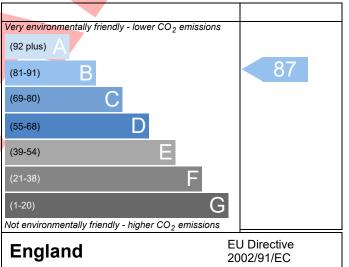
This document is a Predicted Energy Assessment for properties marketed when they are incomplete. It includes a predicted energy rating which might not represent the final energy rating of the property on completion. Once the property is completed, this rating will be updated and an official Energy Performance 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 SAP2012 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 (CO_2) 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.

Environmental Impact (CO₂) Rating



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.

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BUILDING REGULATION COMPLIANCE Calculation Type: New Build (As Designed)



Reference					
Property Masonry, Plot 6	9, 1 Bed, K, B				
SAP Rating	83 B	DER	20.23	TER	22.71
Environmental	87 B	% DER <ter< td=""><td></td><td>10.92</td><td>_</td></ter<>		10.92	_
CO2 Emissions (t/year)	0.82	DFEE	50.02	TFEE	62.45
General Requirements Compliance	Pass	% DFEE <tfee< td=""><td></td><td>19.91</td><td></td></tfee<>		19.91	
Assessor Details Mr. Silvio Junges, Si silvio.junges@aesso	lvio Junges, Tel: 0188 outhern.co.uk	4 242050,		Assessor ID	P635-0002
Client					
UMARY FOR INPUT DATA FOR New Bui	ld (As Designed)				
riterion 1 – Achieving the TER and TFEE					
a TER and DER					
Fuel for main heating	Mains	gas			
Fuel factor		nains gas)			
Target Carbon Dioxide Emission Rate	(TER) 22.71			kgCO ₂ /m ²	
Dwelling Carbon Dioxide Emission Rat	e (DER) 20.23			kgCO ₂ /m ²	Pass
	-2.48 (-10.9%)		kgCO ₂ /m ²	
b TFEE and DFEE					
Target Fabric Energy Efficiency (TFEE)	62.45			kWh/m²/yr	
Dwelling Fabric Energy Efficiency (DFE				kWh/m²/yr	
	-12.5 (-20.0%)		kWh/m²/yr	Pass
Criterion 2 – Limits on design flexibility					
Limiting Fabric Standards					
2 Fabric U-values					
Element	Average		lighest		
External wall Party wall	0.23 (max. 0.30) 0.00 (max. 0.20)		0.26 (max. 0.70))	Pass
Floor	0.11 (max. 0.25)	-	0.11 (max. 0.70))	Pass Pass
Openings	1.21 (max. 2.00)		30 (max. 3.30		Pass
2a Thermal bridging		-		·)	1 455
Thermal bridging calculated from	inear thermal transm	ittances for each iu	Inction		
3 Air permeability					
Air permeability at 50 pascals	5.01.0	lesign value)		m³/(h.m²) @ 50 Pa	
Maximum	10.0			m ³ /(h.m ²) @ 50 Pa	
Limiting System Efficiencies				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Limiting System Endlendles					

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BUILDING REGULATION COMPLIANCE Calculation Type: New Build (As Designed)



Main heating system	Boiler system with radiators or underfloo	or - Mains gas	Pass
	Data from database		
	Ideal LOGIC COMBI ESP1 30		
	Combi boiler		
	Efficiency: 89.6% SEDBUK2009 Minimum: 88.0%		
Secondary heating system	None		
5 Cylinder insulation			
Hot water storage	No cylinder		
6 Controls			1
Space heating controls	Time and temperature zone control		Pas
Hot water controls	No cylinder		
Boiler interlock	Yes		Pas
7 Low energy lights			
Percentage of fixed lights with low-energy	100	%	
fittings			
Minimum	75	%	Pas
8 Mechanical ventilation			
Not applicable			
riterion 3 – Limiting the effects of heat gains in su	mmer		
	Medium		Pas
Summertime temperature Overheating risk (South East England)			Pas
Summertime temperature Overheating risk (South East England)			Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East	Medium Average 8.01 m², No overhang		Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East	Medium Average 8.01 m², No overhang 1.80 m², No overhang		Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach		Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East	Medium Average 8.01 m², No overhang 1.80 m², No overhang	sed 100% of daylight	Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours	sed 100% of daylight	Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours	sed 100% of daylight	Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours	sed 100% of daylight	Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains riterion 4 – Building performance consistent with Party Walls	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach Dark-coloured curtain or roller blind, closs hours DER and DFEE rate	sed 100% of daylight	
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains riterion 4 – Building performance consistent with Party Walls Type	Medium Average 8.01 m ² , No overhang 1.80 m ² , No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours DER and DFEE rate U-value		
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing	Medium Average 8.01 m ² , No overhang 1.80 m ² , No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours DER and DFEE rate U-value		
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains titerion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing	Medium Average 8.01 m ² , No overhang 1.80 m ² , No overhang 2.00 ach Dark-coloured curtain or roller blind, closs hours DER and DFEE rate U-value 0.00		
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains Titerion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing 3 Air permeability	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours DER and DFEE rate U-value 0.00 5.01 (design value)	W/m²K	Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing 3 Air permeability at 50 pascals Maximum	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours DER and DFEE rate U-value 0.00 5.01 (design value)	W/m²K W/m²K ₩ 0 50 Pa	Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains iterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing 3 Air permeability Air permeability at 50 pascals Maximum	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours DER and DFEE rate U-value 0.00 5.01 (design value)	W/m²K W/m²K ₩ 0 50 Pa	Pas
Summertime temperature Overheating risk (South East England) ased on: Overshading Windows facing North East Windows facing South East Air change rate Blinds/curtains riterion 4 – Building performance consistent with Party Walls Type Filled Cavity with Edge Sealing Air permeability and pressure testing 3 Air permeability Air permeability at 50 pascals Maximum O Key features	Medium Average 8.01 m², No overhang 1.80 m², No overhang 2.00 ach Dark-coloured curtain or roller blind, close hours DER and DFEE rate U-value 0.00 5.01 (design value) r 10.0	W/m ² K m ³ /(h.m ²) @ 50 Pa m ³ /(h.m ²) @ 50 Pa	Pas

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RECOMMENDATIONS





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