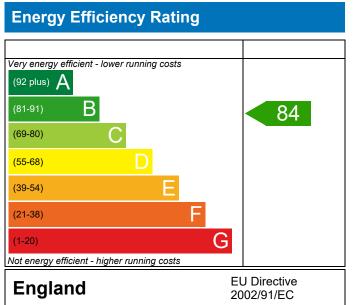


Apartment 1 - Onslow Mills, Trout Road, West Drayton, UB7 7RR Dwelling type:Flat, MiDate of assessment:01/06/2Produced by:AlexandTotal floor area:92.34 mDRRN:8092-16

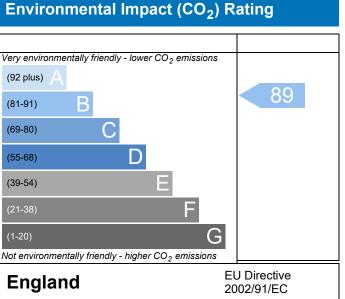
Flat, Mid-Terrace 01/06/2022 Alexander Pelling 92.34 m² 8092-1689-2073

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.



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.

This report has been produced by an accredited Elmhurst member whose work is subject to quality assurance audits. The data used to produce the report has been verified by the Elmhurst members' portal.

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Regs Region: England Elmhurst Energy Systems SAP2012 Calculator (Design System) version 4.14r19

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



Property Reference ONSLOW MILLS 1	ONSLOW MILLS 1			Issued on Date	01/06/2022
Assessment As-Designed	As-Designed Prop Type Ref				
Reference	lille Treut Dees				
Property Apartment 1 - Onslow M	IIIIs, Trout Road	i, west Drayton, U	B7 / KK		
SAP Rating	84 B	DER	13.39	TER	18.38
Environmental	89 B	% DER <ter< th=""><th></th><th>27.15</th><th></th></ter<>		27.15	
CO ₂ Emissions (t/year)	0.95	DFEE	52.17	TFEE	55.37
General Requirements Compliance	Pass	% DFEE <tfee< th=""><th></th><th>5.77</th><th></th></tfee<>		5.77	
Assessor Details Mr. Alexander Pelling, Alexa	nder Pelling, Te	el: 01732808238,		Assessor ID	T297-0001
alex@arcarch.co.uk					
Client David Butler, DEVCON					
SUMARY FOR INPUT DATA FOR New Build (As De	esigned)				
Criterion 1 – Achieving the TER and TFEE rate					
<u>1a TER and DER</u>					
Fuel for main heating	Mains ga	Mains gas			
Fuel factor	1.00 (ma	ins gas)			
Target Carbon Dioxide Emission Rate (TER)	18.38	18.38			
Dwelling Carbon Dioxide Emission Rate (DER)	13.39			kgCO ₂ /m ²	Pass
4h TEEE and DEEE	-4.99 (-2	7.1%)		kgCO ₂ /m ²	
<u>1b TFEE and DFEE</u>	FF 27			1.) A /b /	
Target Fabric Energy Efficiency (TFEE) Dwelling Fabric Energy Efficiency (DFEE)	55.37 52.17		kWh/m²/yr kWh/m²/yr		
Dweining rabite energy entitlency (Dree)	-3.2 (-5.8	2%)		kWh/m²/yr	Pass
Criterion 2 – Limits on design flexibility	5.2 (5.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			1 435
Limiting Fabric Standards					
2 Fabric U-values					
Element Ave	7200	Lii	ghest		
	(max. 0.30))	Pass
	(max. 0.30)	-	L9 (max. 0.70	1	Pass
-	max. 0.25) 0.18 (max. 0.70)	Pass	
			70 (max. 3.30		Pass
2a Thermal bridging	. ,				
Thermal bridging calculated from linear the	ermal transmitt	ances for each jun	ction		
3 Air permeability		,			
Air permeability at 50 pascals	5.00 (des	sign value)		m³/(h.m²) @ 50 Pa	
Maximum	10.0			m ³ /(h.m ²) @ 50 Pa	Pass
Limiting System Efficiencies					
4 Heating efficiency					

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



Main heating system	Boiler system with radiators or underfloor - Mains gas Data from database Ideal LOGIC COMBI ESP1 30 Combi boiler Efficiency: 89.6% SEDBUK2009	Pass		
	Minimum: 88.0%			
Secondary heating system	None			
<u>5 Cylinder insulation</u>				
Hot water storage	No cylinder			
<u>6 Controls</u>				
Space heating controls	Time and temperature zone control			
Hot water controls	No cylinder			
Boiler interlock	Yes	Pass		
7 Low energy lights				
Percentage of fixed lights with low-energy fittings	100 %			
Minimum	75 %	Pass		
8 Mechanical ventilation				
Not applicable				
Criterion 3 – Limiting the effects of heat gains in su	mmer			
9 Summertime temperature				
Overheating risk (Thames Valley)	Slight	Pass		
Based on:				
Overshading	Average			
Windows facing North East	13.82 m ² , No overhang			
Windows facing South West	1.92 m ² , No overhang			
Air change rate	6.00 ach			
Blinds/curtains	Light-coloured curtain or roller blind, closed 100% of daylight hours			
Criterion 4 – Building performance consistent with	DER and DFEE rate			
Party Walls				
Туре	U-value			
Filled Cavity with Edge Sealing	0.00 W/m²K	Pass		
Air permeability and pressure testing				
<u>3 Air permeability</u>				
Air permeability at 50 pascals	5.00 (design value) m ³ /(h.m ²) @ 50 P	а		
Maximum	10.0 m ³ /(h.m ²) @ 50 P	a Pass		
<u>10 Key features</u>				
Party wall U-value	0.00 W/m²K			
Photovoltaic array	1.00 kW			
,				

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