PREDICTED ENERGY ASSESSMENT



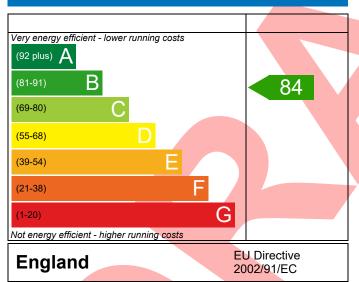
Eastergate, Dwelling type: House, Detached

Hampshire Homes Date of assessment: 24/06/2021
Produced by: William Vincent
Total floor area: 102.82 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.

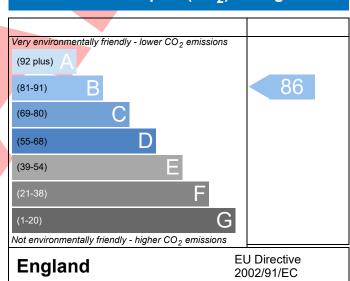
The energy performance has been assessed using the Government approved SAP2012 methodology and is rated in terms of the energy use per square meter of floor area; the energy efficiency is based on fuel costs and the environmental impact is based on carbon dioxide (CO₂) emissions.

Energy Efficiency Rating



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 (CO₂) emissions. The higher the rating the less impact it has on the environment.

This report has not been submitted through the Elmhurst Energy members' portal, therefore results are subject to change when the dwelling is completed.



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



Assessment Reference Property Eastergate, Hampshire Homes	Property Reference	Plot 011 3BH Det				Issued on Date	24/06/2021			
Eastergate, Hampshire Homes		001	001 Prop Type Ref							
SAP Rating	Reference									
See	Property	Eastergate, Hampshire H	omes							
Cotemissions (t/year) General Requirements Compliance Pass	SAP Rating		84 B	DER	16.91	TER	18.00			
Assessor Details	Environmental		86 B	% DER <ter< td=""><td></td><td>6.03</td><td></td></ter<>		6.03				
Assessor Details Mr. William Vincent, William Vincent, Tel: 01582544250, William. Vincent@ee-ltd.co.uk		-	1.47		50.74	TFEE	57.41			
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4 Heating efficiency	Limiting System Et	fficiencies								
	4 Heating efficience	CY								

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



Main heating system	Boiler system with radiators or underfloor - Mains gas	Pass		
	Data from database	1		
	Ideal LOGIC COMBI ESP1 35	ı		
	Combi boiler	İ		
	Efficiency: 89.6% SEDBUK2009			
	Minimum: 88.0%			
Secondary heating system	None			
5 Cylinder insulation				
Hot water storage	No cylinder			
<u>6 Controls</u>				
Space heating controls	Time and temperature zone control	Pass		
Hot water controls	No cylinder			
Boiler interlock	Yes	Pass		
7 Low energy lights				
Percentage of fixed lights with low-energy	100 %			
fittings				
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	ı		
Windows facing South East	10.43 m², No overhang	ı		
Windows facing South West	1.52 m², No overhang	İ		
Windows facing North West	9.98 m², No overhang	ı		
Air change rate	4.00 ach	ı		
Blinds/curtains	Dark-coloured curtain or roller blind, closed 100% of daylight	ı		
	hours	ı		
Criterion 4 – Building performance consistent with	DER and DFEE rate			
Air permeability and pressure testing				
3 Air permeability				
Air permeability at 50 pascals	5.00 (design value) m ³ /(h.m ²) @ 50 Pa			
Maximum	10.0 m³/(h.m²) @ 50 Pa	Pass		
10 Key features				
Roof U-value	0.11 W/m²K			
Thermal bridging y-value	0.033 W/m²K			

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Regs Region: England Elmhurst Energy Systems SAP2012 Calculator (Design System) version 4.14r16

RECOMMENDATIONS



	Typical cost	Typical savings per year	Energy efficiency	Environmental impact	Result
Low energy lights			0	0	Already installed
Solar water heating	£4,000 - £6,000	£31	B 85	B 87	Recommended
Photovoltaic	£3,500 - £5,500	£341	A 94	A 95	Recommended
Wind turbine			0	0	Not applicable
Totals	£7,500 - £11,500	£372	A 94	A 95	



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