

Energy performance certificate (EPC)

The Barn Thong Lane Shorne GRAVESEND DA12 4AD	Energy rating E	Valid until: 21 April 2026
		Certificate number: 0240-2842-7346-9126-3871

Property type Detached bungalow

Total floor area 132 square metres

Rules on letting this property

Properties can be let if they have an energy rating from A to E.

You can read [guidance for landlords on the regulations and exemptions \(https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance\)](https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance).

Energy rating and score

This property's energy rating is E. It has the potential to be C.

[See how to improve this property's energy efficiency.](#)

Score	Energy rating	Current	Potential
92+	A		
81-91	B		
69-80	C		78 C
55-68	D		
39-54	E	45 E	
21-38	F		
1-20	G		

The graph shows this property's current and potential energy rating.

Properties get a rating from A (best) to G (worst) and a score. The better the rating and score, the lower your energy bills are likely to be.

For properties in England and Wales:

- the average energy rating is D
- the average energy score is 60

Breakdown of property's energy performance

Features in this property

Features get a rating from very good to very poor, based on how energy efficient they are. Ratings are not based on how well features work or their condition.

Assumed ratings are based on the property's age and type. They are used for features the assessor could not inspect.

Feature	Description	Rating
Wall	Solid brick, as built, partial insulation (assumed)	Average
Wall	Cavity wall, as built, partial insulation (assumed)	Average
Roof	Pitched, 75 mm loft insulation	Average
Roof	Pitched, limited insulation (assumed)	Poor
Window	Fully double glazed	Average
Main heating	Boiler and radiators, oil	Average
Main heating control	Programmer, TRVs and bypass	Average
Hot water	From main system, no cylinder thermostat	Poor
Lighting	No low energy lighting	Very poor
Floor	Suspended, no insulation (assumed)	N/A
Secondary heating	None	N/A

Primary energy use

The primary energy use for this property per year is 239 kilowatt hours per square metre (kWh/m²).

► [About primary energy use](#)

Additional information

Additional information about this property:

- Cavity fill is recommended

How this affects your energy bills

An average household would need to spend **£1,470 per year on heating, hot water and lighting** in this property. These costs usually make up the majority of your energy bills.

You could **save £693 per year** if you complete the suggested steps for improving this property's energy rating.

This is **based on average costs in 2016** when this EPC was created. People living at the property may use different amounts of energy for heating, hot water and lighting.

Heating this property

Estimated energy needed in this property is:

- 16,051 kWh per year for heating
- 4,162 kWh per year for hot water

Impact on the environment

This property's environmental impact rating is E. It has the potential to be C.

Properties get a rating from A (best) to G (worst) on how much carbon dioxide (CO₂) they produce each year.

Carbon emissions

An average household produces	6 tonnes of CO2
This property produces	8.2 tonnes of CO2
This property's potential production	3.3 tonnes of CO2

You could improve this property's CO2 emissions by making the suggested changes. This will help to protect the environment.

These ratings are based on assumptions about average occupancy and energy use. People living at the property may use different amounts of energy.

Changes you could make

▶ [Do I need to follow these steps in order?](#)

Step 1: Increase loft insulation to 270 mm

Typical installation cost £100 - £350

Typical yearly saving £95

Potential rating after completing step 1 **48 E**

Step 2: Cavity wall insulation

Typical installation cost £500 - £1,500

Typical yearly saving £34

Potential rating after completing steps 1 and 2 **50 E**

Step 3: Internal or external wall insulation

Typical installation cost £4,000 - £14,000

Typical yearly saving £127

Potential rating after completing steps 1 to 3 **55 D**

Step 4: Floor insulation (suspended floor)

Typical installation cost £800 - £1,200

Typical yearly saving £136

Potential rating after completing steps 1 to 4 **60 D**

Step 5: Hot water cylinder insulation

Increase hot water cylinder insulation

Typical installation cost £15 - £30

Typical yearly saving £33

Potential rating after completing steps 1 to 5 **61 D**

Step 6: Low energy lighting

Typical installation cost £110

Typical yearly saving	£61
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Potential rating after completing steps 1 to 6

63 D

Step 7: Replace boiler with new condensing boiler

Typical installation cost	£2,200 - £3,000
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Typical yearly saving	£152
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Potential rating after completing steps 1 to 7

68 D

Step 8: Solar water heating

Typical installation cost	£4,000 - £6,000
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Typical yearly saving	£56
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Potential rating after completing steps 1 to 8

70 C

Step 9: Solar photovoltaic panels, 2.5 kWp

Typical installation cost	£5,000 - £8,000
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Typical yearly saving	£290
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Potential rating after completing steps 1 to 9

78 C

Help paying for energy improvements

You might be able to get a grant from the [Boiler Upgrade Scheme \(https://www.gov.uk/apply-boiler-upgrade-scheme\)](https://www.gov.uk/apply-boiler-upgrade-scheme). This will help you buy a more efficient, low carbon heating system for this property.

More ways to save energy

[Find ways to save energy in your home.](#)

Who to contact about this certificate

Contacting the assessor

If you're unhappy about your property's energy assessment or certificate, you can complain to the assessor who created it.

Assessor's name	John Matthews
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Telephone	07950 445229
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Email	john.matthews@your-move.co.uk
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Contacting the accreditation scheme

If you're still unhappy after contacting the assessor, you should contact the assessor's accreditation scheme.

Accreditation scheme	Elmhurst Energy Systems Ltd
Assessor's ID	EES/004403
Telephone	01455 883 250
Email	enquiries@elmhurstenergy.co.uk

About this assessment

Assessor's declaration	Employed by the professional dealing with the property transaction
Date of assessment	22 April 2016
Date of certificate	22 April 2016
Type of assessment	▶ RdSAP

Other certificates for this property

If you are aware of previous certificates for this property and they are not listed here, please contact us at dluhc.digital-services@levellingup.gov.uk or call our helpdesk on 020 3829 0748 (Monday to Friday, 9am to 5pm).

There are no related certificates for this property.

[Help \(/help\)](#) [Accessibility \(/accessibility-statement\)](#) [Cookies \(/cookies\)](#)

[Give feedback \(https://forms.office.com/e/hUnC3Xq1T4\)](https://forms.office.com/e/hUnC3Xq1T4) [Service performance \(/service-performance\)](#)

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