# Energy performance certificate (EPC)

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|---|---|---|
| 2 SANDFORD MILL COTTAGES<br>SANDFORD MILL LANE<br>GREAT BADDOW<br>CHELMSFORD<br>CM2 7RT | Energy rating<br>**F** | Valid until: **16 July 2031**<br>Certificate number: **0412-4139-2002-0693-9306** |

| | |
|---|---|
| Property type | Mid-terrace house |
| Total floor area | 80 square metres |

## Rules on letting this property

## You may not be able to let this property

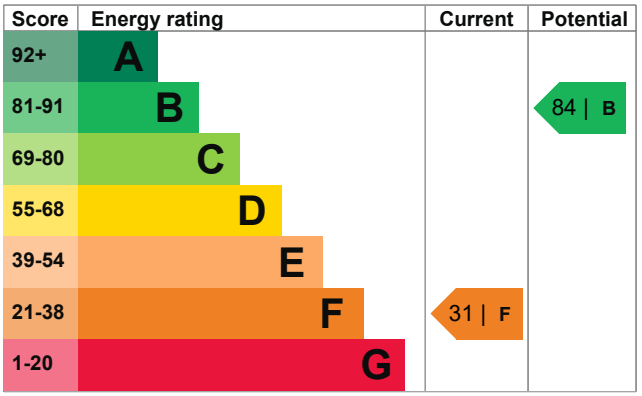
This property has an energy rating of F. It cannot be let, unless an exemption has been registered. You can read guidance for landlords on the regulations and exemptions (https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance).

Properties can be rented if they have an energy rating from A to E. The recommendations section sets out changes you can make to improve the property's rating.

## Energy efficiency rating for this property

This property's current energy rating is F. It has the potential to be B.

See how to improve this property's energy performance.




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

Properties are given a rating from A (most efficient) to G (least efficient).

Properties are also given a score. The higher the number the lower your fuel 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

This section shows the energy performance for features of this property. The assessment does not consider the condition of a feature and how well it is working.

Each feature is assessed as one of the following:

- very good (most efficient)
- good
- average
- poor
- very poor (least efficient)

When the description says “assumed”, it means that the feature could not be inspected and an assumption has been made based on the property’s age and type.

| Feature | Description | Rating |
|---|---|---|
| Wall | Solid brick, as built, no insulation (assumed) | Very poor |
| Wall | Timber frame, as built, insulated (assumed) | Very good |
| Roof | Roof room(s), ceiling insulated | Very poor |
| Roof | Pitched, no insulation (assumed) | Very poor |
| Roof | Pitched, insulated (assumed) | Good |
| Window | Mostly double glazing | Average |
| Main heating | Room heaters, electric | Very poor |
| Main heating | Room heaters, electric | Very poor |
| Main heating control | No thermostatic control of room temperature | Poor |
| Main heating control | Appliance thermostats | Good |
| Hot water | Electric immersion, off-peak | Poor |
| Lighting | Low energy lighting in 95% of fixed outlets | Very good |
| Floor | Solid, no insulation (assumed) | N/A |
| Floor | Solid, insulated (assumed) | N/A |
| Secondary heating | Room heaters, wood logs | N/A |

### Low and zero carbon energy sources

Low and zero carbon energy sources release very little or no CO2. Installing these sources may help reduce energy bills as well as cutting carbon emissions. The following low or zero carbon energy sources are installed in this property:

- Biomass secondary heating

### Primary energy use

The primary energy use for this property per year is 495 kilowatt hours per square metre (kWh/m2).

### Additional information

Additional information about this property:

- Two main heating systems and heating system upgrade is recommended
  As there is more than one heating system, you should seek professional advice on the most cost-effective option for upgrading the systems.

## Environmental impact of this property

One of the biggest contributors to climate change is carbon dioxide (CO2). The energy used for heating, lighting and power in our homes produces over a quarter of the UK's CO2 emissions.

| | |
|---|---|
| An average household produces | 6 tonnes of CO2 |
| This property produces | 6.1 tonnes of CO2 |
| This property's potential production | 2.2 tonnes of CO2 |

By making the recommended changes, you could reduce this property's CO2 emissions by 3.9 tonnes per year. This will help to protect the environment.

Environmental impact ratings are based on assumptions about average occupancy and energy use. They may not reflect how energy is consumed by the people living at the property.

## How to improve this property's energy performance

Making any of the recommended changes will improve this property's energy efficiency.

If you make all of the recommended changes, this will improve the property's energy rating and score from F (31) to B (84).

| Recommendation | Typical installation cost | Typical yearly saving |
|---|---|---|
| **1. Flat roof or sloping ceiling insulation** | £850 - £1,500 | £183 |
| **2. Room-in-roof insulation** | £1,500 - £2,700 | £551 |
| **3. Internal or external wall insulation** | £4,000 - £14,000 | £84 |
| **4. Floor insulation (solid floor)** | £4,000 - £6,000 | £36 |
| **5. High heat retention storage heaters** | £2,000 - £3,000 | £235 |
| **6. Solar water heating** | £4,000 - £6,000 | £69 |
| **7. Solar photovoltaic panels** | £3,500 - £5,500 | £364 |

### Paying for energy improvements

Find energy grants and ways to save energy in your home. (https://www.gov.uk/improve-energy-efficiency)

## Estimated energy use and potential savings

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|---|---|
| Estimated yearly energy cost for this property | £1908 |
| Potential saving | £1158 |

The estimated cost shows 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.

The estimated saving is based on making all of the recommendations in how to improve this property's energy performance.

For advice on how to reduce your energy bills visit Simple Energy Advice (https://www.simpleenergyadvice.org.uk/).

### Heating use in this property

Heating a property usually makes up the majority of energy costs.

**Estimated energy used to heat this property**

| | |
|---|---|
| Space heating | 11516 kWh per year |
| Water heating | 1982 kWh per year |

## Potential energy savings by installing insulation

| Type of insulation | Amount of energy saved |
|---|---|
| **Solid wall insulation** | 497 kWh per year |

You might be able to receive Renewable Heat Incentive payments (https://www.gov.uk/domestic-renewable-heat-incentive). This will help to reduce carbon emissions by replacing your existing heating system with one that generates renewable heat. The estimated energy required for space and water heating will form the basis of the payments.

# Contacting the assessor and accreditation scheme

This EPC was created by a qualified energy assessor.

If you are unhappy about your property's energy assessment or certificate, you can complain to the assessor directly.

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

Accreditation schemes are appointed by the government to ensure that assessors are qualified to carry out EPC assessments.

## Assessor contact details

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|---|---|
| Assessor's name | Ian Willson |
| Telephone | 01245 445215 |
| Email | ianwillson@hotmail.co.uk |

## Accreditation scheme contact details

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|---|---|
| Accreditation scheme | Quidos Limited |
| Assessor ID | QUID201513 |
| Telephone | 01225 667 570 |
| Email | info@quidos.co.uk |

## Assessment details

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|---|---|
| Assessor's declaration | No related party |
| Date of assessment | 14 July 2021 |
| Date of certificate | 17 July 2021 |
| Type of assessment | RdSAP |