

SAP

What is SAP?

The Standard Assessment Procedure (“SAP”) is the Government’s approved methodology for calculating the energy performance of dwellings.

Do I need a SAP assessment?

If you have built or are planning to build a new dwelling, then Part L of the Regulations states that you must now obtain a SAP rating for that dwelling. SAP assessments calculate a CO₂ emission rating for the building. It is this rating that is submitted to Building Control for all new dwellings and which must meet the latest Building Regulation standards for energy efficiency.

How long does a SAP assessment take?

We aim to complete each SAP calculation within two working days from the point of engagement.

How much does a SAP assessment cost?

We strive to ensure each quote is the most competitive in the market, offering you real value for a quality service. Factors that will affect the cost of a SAP assessment include the size and complexity of the dwelling. Call now for an instant quote from one of our qualified SAP assessors.

What happens if my dwelling fails the SAP assessment?

Our SAP assessors will be happy to provide you with a free consultancy service, advising you on all necessary amendments to ensure a **PASS EVERYTIME**.

A one-stop-shop
for all your Part L
requirements.



- ✓ **FAST** - we aim to complete every SAP calculation within 48 hours.
- ✓ **RELIABLE** - we only use highly experienced SAP assessors.
- ✓ **VALUE** - we aim for every quote to be the most competitive, with large discounts available for multiple orders.



No lengthy forms, we offer a single point of contact for the entire project.
Let us take the stress out of Part L

How can I improve the SAP rating?

Factors that affect the SAP rating of a dwelling include:

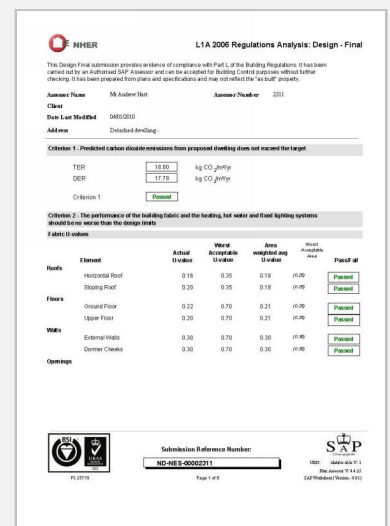
- The materials used for the construction of the building envelope (materials with a lower U value will result in an improved rating);
- The level of thermal insulation included within the building envelope;
- The air tightness of the building and the characteristics of its ventilation equipment;
- The efficiency and controls of the heating system(s);
- Solar gains through openings within the building envelope;
- The fuel used to provide space and water heating, ventilation and lighting; and
- The inclusion of low or zero carbon technologies, such as photovoltaics or ground source heat pumps.

What do I need to provide to the SAP assessor?

- Floor plans, including building elevations and sections;
- Details of the buildings location and orientation;
- Specification for the construction of all floors, roofs and external walls;
- Specification for all windows and doors within the buildings external envelope, including frame material, width of gap (if multiple glazing) and emissivity of glass;
- Details of all heating, ventilation, air conditioning and lighting within the building;
- Hot water system specification, including calorifier size, details of any insulation to the cylinder and pipes, and associated controls;
- Full details of any fixed secondary heating, cooling, and hot water systems; and
- Details of any low or zero carbon technology, such as solar hot water, photovoltaics, ground source heat pumps, or wind turbines.

How can Energytest help me?

As well as providing a **fast** and **accurate** SAP assessment at a **market leading price**, our experienced SAP assessors will be happy to assist you in the design of the dwelling by providing **free U Value calculations** and advice concerning low and zero carbon technologies. We can also offer you a **single point of contact** to serve all your Part L requirements, including conducting an air leakage test and issuing an Energy Performance Certificate on completion of the building.



NHER LIA 2008 Regulations Analysis: Design - Final

This Design Final submission provides evidence of compliance with Part L of the Building Regulations. It has been carried out by an authorized SAP Assessor and can be accepted for Building Control purposes without further checking. It has been prepared from plans and specifications and may not reflect the 'as built' property.

Assessor Name: 38 Andrew Platt Assessor Number: 2011

Client: Blue Leaf Medical

Site: 04610200

Address: Detached dwelling

Criterion 1 - Predicted carbon dioxide emissions from proposed dwelling does not exceed the target

| | | |
|-----|-------|--|
| TER | 18.80 | kg CO ₂ /m ² /yr |
| DER | 17.78 | kg CO ₂ /m ² /yr |

Criterion 1: Passed

Criterion 2 - The performance of the building fabric and the heating, hot water and fixed lighting systems should be no worse than the design levels

| Element | Actual U-value | U-value | U-value | Area weighted U-value | Weighted U-value | Pass/Fail |
|------------------|----------------|---------|---------|-----------------------|------------------|-----------|
| Roofs | | | | | | |
| Horizontal Roof | 0.16 | 0.35 | 0.16 | 0.16 | 0.16 | Passed |
| Sloping Roof | 0.20 | 0.35 | 0.16 | 0.16 | 0.16 | Passed |
| Floors | | | | | | |
| Ground Floor | 0.22 | 0.70 | 0.21 | 0.21 | 0.21 | Passed |
| Upper Floor | 0.20 | 0.70 | 0.21 | 0.21 | 0.21 | Passed |
| Walls | | | | | | |
| External Walls | 0.30 | 0.70 | 0.30 | 0.30 | 0.30 | Passed |
| Internal Walls | 0.30 | 0.70 | 0.30 | 0.30 | 0.30 | Passed |
| Windows | | | | | | |
| Domestic Windows | 0.30 | 0.70 | 0.30 | 0.30 | 0.30 | Passed |

Submission Reference Number: **NO-HE-0-0000211**

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