

TESTING



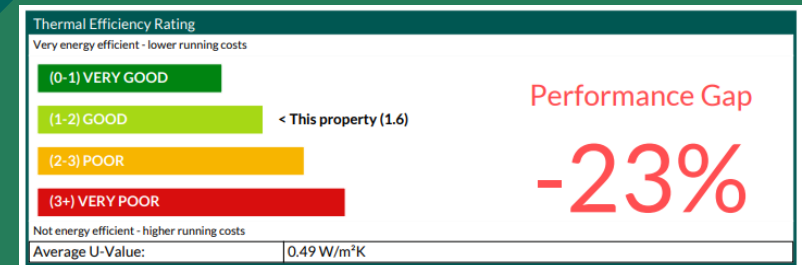
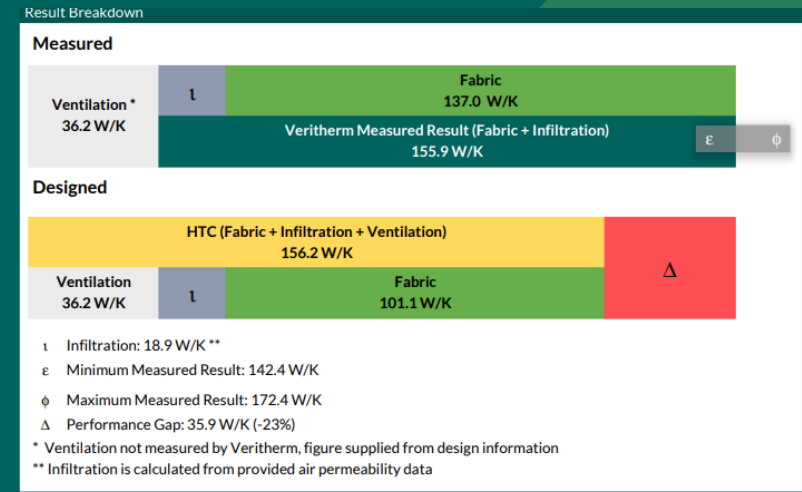
Building Performance
Measured, Monitored, Evaluated

Veritherm[®] Testing

Veritherm is a unique and unrivalled testing solution that is used to measure the thermal performance of buildings.

Rather than using existing heat loss assessments which rely on simple visual inspections, our fast and reliable measurement technique provides real-world data to give a far better understanding of the actual amount of energy that is lost through the thermal envelope of a building.

With an elegant mix of advanced mathematics, low cost testing and a highly scalable digital platform, the Veritherm technology has revolutionized in-situ thermal performance measurement.



How Veritherm[®] testing works



PLANNING

Relevant design information, such as EPCs and energy assessments, is gathered and entered on our software platform.

We use this to see how the measured performance compares with its theoretical design. We will also plan for the test to be carried out, considering access and any building or weather constraints.



PREPARATION

One of our certified engineers will attend the property to set up the equipment and run pre-test checks. Fans and heaters attached to smart plugs are placed to ensure there is an even mix of heat spread across the building, and the loggers will record the temperatures throughout the test.

The engineer is now able to leave the property as the software platform takes control of the test from this point



MEASUREMENT

The Veritherm test takes place overnight and is activated by our software platform. A measured heating load is applied to the building during the first phase, before the building is left to passively cool during the second phase.

The system measures the internal and external temperatures every minute, with the data being sent automatically to the Veritherm platform, where they can be viewed in real-time.



VALIDATION

As soon as the test completes at sunrise, the results are available in the form of a summary certificate, together with a full report which provides a breakdown of the data.

These will give you a thermal performance rating, the amount of heat that is lost through the fabric (expressed in watts per kelvin), an understanding of the measured performance compared to the designed performance (ie the performance gap) and an average U-Value for the building.

Why use Veritherm[®] testing?



Fast

Testing is carried out in a single night



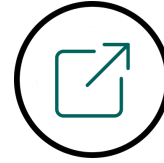
Affordable

From £500 +VAT per property



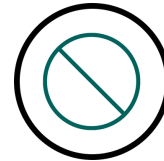
Simple

Our intelligent system performs all the calculations



Scalable

The automated process provides immediate and quantitative results



Non-intrusive

Minimal disruption for occupants



Accurate

The process has been fully validated

Who is using Veritherm® testing?



- Provide a quality check and assurance on your work
- Understand performance across a range of house types
- Promote verified performance data in marketing
- Mitigate risks before handover and give confidence to your customers



- Ensure predicted performance is being achieved
- Identify quality issues in the construction
- Potential to reduce energy bills



- Improve and develop products
- Better understanding of how the product or system is performing in-situ
- Product validation
- Marketing tool



- Help to determine a retrofit strategy
- Enable informed decision-making
- Ensure funds are being wisely spent on the most effective improvement measures
- Assist with reducing future energy bills



- Understand, quantify and minimise the energy performance gap
- Provide quality assurance that it has been constructed to the designed specifications
- Deliver through quality and fine tune the building's performance
- Relationships with clients based on aligning project outcomes with their needs



- Access to new funding streams that require performance measurement
- Ensure energy standards are being achieved
- A direct and measured way to target fuel poverty
- Spending on improvements is based on measured requirements



- Energy calculations based on measured performance
- De-risk the assessment process by avoiding problems based on notional design assumptions
- Deliver a heating system that meets client requirements

Veritherm[®] delivery partners

We are proud to be working with our network of service delivery partners across the UK



Pricing

From £500

+VAT
Per dwelling

Testing service includes:

- ✓ 12 hour in-situ thermal performance test
- ✓ Test report and certification



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