

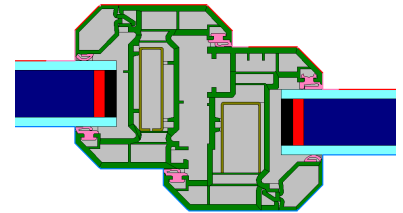
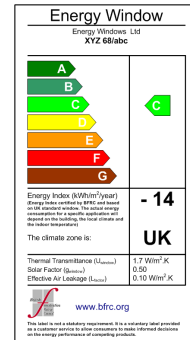
There are 3 stages to obtain an Energy rating for your Windows and Doors:

1. Energy rating simulation

The window or door is "modelled" used computer Therm software to calculate the Energy rating of the unit.

For the simulation we require:

- DXF CAD drawings of the unit including the cross-section of the frame, spacer bar etc. material specifications such as glazing type, coatings, gaskets.
- The air leakage rate of the unit (at 50Pa) is required to enable the Energy Rating to be calculated.

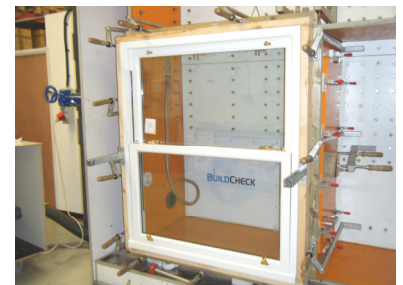


2. Air leakage test at 50Pa

Submit a production sample for testing in our UKAS accredited Weather test rig. This should be a fully finished product including all associated hardware. For doors this should include the complete door set including threshold. Different frames and thresholds will require separate tests.

Test facilities and requirements

- We can test windows and doors ranging from a minimum 900H x 900W to a maximum size of 2600W x 3100H – excluding sub-frame
- Test specimens must be delivered with a 50x100mm timber sub-frame surrounding all 4 sides of the specimen. This must be fitted flush to the external side of the specimen and is used for clamping the specimen into the test rig.
- Glass fitted must be toughened.

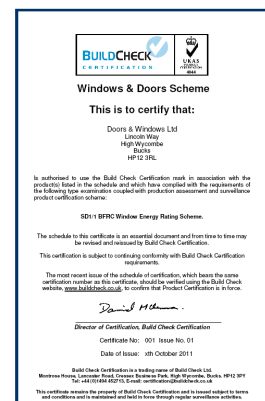


3. Product Certification

A factory audit is undertaken to check that quality control systems are in place to ensure that products manufactured and dispatched are fully in compliance with the Energy Rating simulation.

A simple Factory Production Control system (Quality Control manual) will be required. This can be a relatively simple document – we provide a template for you to complete which identifies key aspects of the FPC which will need to be audited

Build Check are accredited to provide all of these services ensuring that the process of achieving Window and Door Energy ratings is both simple and economic. For further information or for a quotation contact info@buildcheck.co.uk or Sue Peatey on 01494 452713



U-value analysis

BFRC ratings

Product Certification

Weather testing



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