

Get Your Windows BFRC Energy Rated NOW!

The BFRC does not itself carry out window energy rating for window manufacturers or systems' suppliers. In order to provide choice the BFRC has encouraged and facilitated the development of independent BFRC Certified Simulators who will be pleased to undertake all the necessary work.

Please refer to the accompanying BFRC/EST publication:

'WHO TO CONTACT TO GET YOUR WINDOWS BFRC ENERGY RATED'

where details of BFRC Certified Simulators, Independent Agencies and Test Laboratories are given.

Visit www.bfrc.org/glassex.htm for more information

On line information includes:

1. Getting Windows BFRC Certified
2. BFRC Certification Costs and Benefits
3. BFRC Membership Costs and Benefits (including the listing of all windows which have been BFRC Certified)
4. BFRC Approval for Simulators, Independent Agencies and Laboratories
5. Specifying energy efficient windows for homes

Energy
Saving
Trust

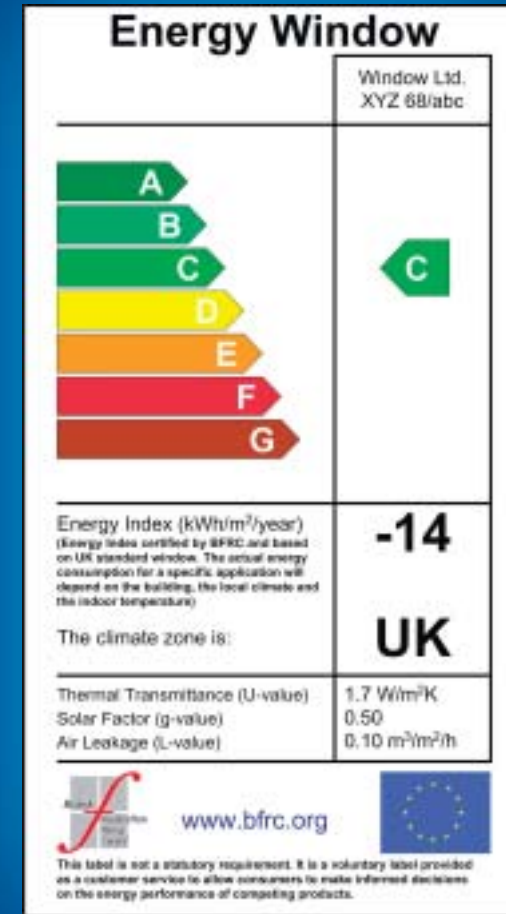


Energy
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GLASSEX 2004

Window Energy Rating has arrived!



Do not miss this window of opportunity!
Choose your BFRC Certified Simulator now

WHY Window Energy Rating?

- The Government is determined to meet its Kyoto commitment to help reduce CO₂ emissions by saving energy.
- Windows – especially for the replacement market – have an important part to play in this programme.
- But – ever reducing ‘U’ values do not necessarily mean more energy efficient windows!
- Window Energy Rating is a method of assessing the complete window and producing a single number to rate its overall energy efficiency.
- It is therefore likely that the Government will introduce the use of Window Energy Rating into the proposed new Part L in 2005.
- Window Energy Rating allows consumers to easily compare the energy efficiency of competing products.
- By basing this on the EU Energy Label for domestic appliances, we can provide consumers with a recognisable label that they understand.

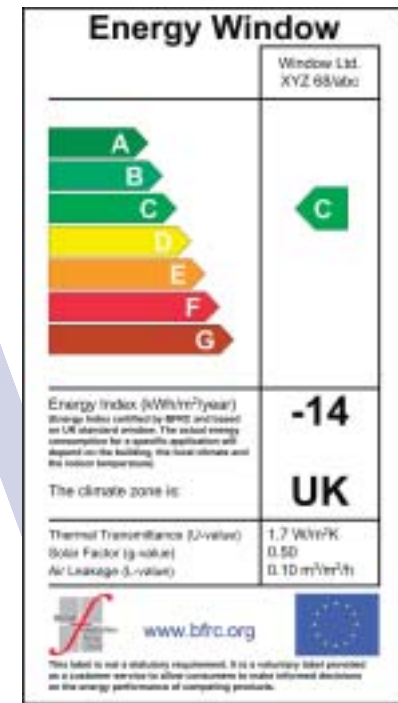
WHAT is Window Energy Rating?

- As well as calculating the overall accurate ‘U’ value for a specific size and design of window (frame and gaskets etc as well as the double glazed unit), Window Energy Rating also takes into account the significant benefit to be derived from solar gain along with the heat lost through air infiltration.
- The Window Energy Rating process provides all the necessary input to SAP assessments for New Build.
- However, for consumers and replacement windows all BFRC Window Energy Ratings are based on the same window style/configuration and size given in Approved Document Part L (2002).
- The two digit BFRC Window Energy Rating is measured in units of kWh/ m² /year, the result of which determines where the window will sit on the descending A-G energy scale.

BFRC WINDOW Energy Rating Label Scale	kWh/m ² /year
A	0+
B	-10 to 0
C	-20 to -10
D	-30 to -20
E	-50 to -30
F	-70 to -50
G	-70+

WHAT is the BFRC Window Energy Rating Label?

This is similar to the now familiar EU Energy Label found on everything from fridges to dishwashers, washing machines to light bulbs.



WHAT is the BFRC?

- The British Fenestration Rating Council (BFRC) is an independent body, which is leading the development and application of Window Energy Rating in the UK. This is with the support of all the window industry trade associations and a broad range of other bodies, including research organisations, professional institutes and the Energy Saving Trust, backed by the Government.
- **The role of the BFRC is:**
 - To provide a more effective measurement of the thermal efficiency of windows.
 - To ensure that the measurement is fair, accurate and credible.
 - To encourage the take-up of more thermally efficient windows.

HOW is Window Energy Rating carried out?

- Either by physical ‘Hot Box Testing’ in a laboratory.
- Or, much more economically, by computer simulation using the ‘methodologies, material properties’ data and use of Standards, Procedures and Protocols developed by the British Fenestration Rating Council (BFRC). This approach is completely in line with the European Window Energy Rating System (EWERS), recently developed by EU ‘SAVE’. The computer simulation also uses UK climate data and a standard building model.