

Paxtons' Energy Rating Guide

OVERVIEW

This guide has been produced to help customers understand the differences between energy rated products. For a true comparison between different manufacturers, we encourage all of our potential customers to check the precise specification of all rival units.

Since the government introduced Home Improvement Packs (HIPS) prospective buyers now receive information on the energy ratings of all facets of a property including the windows.

Consumers will recognise the labelling and marketing used because it is in-line with white goods such as Fridges, Freezers and Washing Machines.

WER (ENERGY RATED WINDOWS)

What is it and what will it do?

Launched by the British Fenestration Rating Council (BFRC) in March 2004, the Window Energy Rating (WER) is fundamental to Part L of the Building Regulations and it allows for easy assessment and labelling of domestic windows in terms of their energy performance and their impact on the energy efficiency of a house.

The WER uses a scale of A to G and a window rating of E or above will satisfy the requirement for domestic windows. This rating is based on the three key elements of Thermal Transmittance (U Value), Solar Value (G Value) and the Air Leakage (L50).

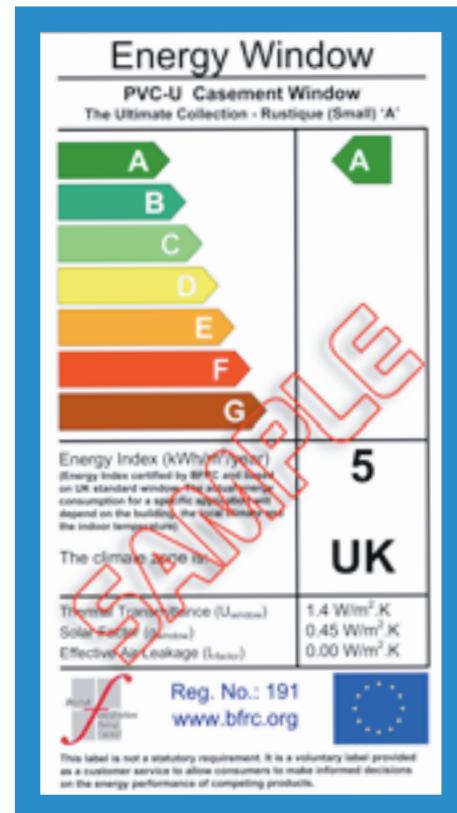
Products that achieve a rating of C and above are eligible for labelling and marketing as being 'Energy Efficient' and can use the 'Energy Saving Recommended' logo, which has been developed by the Energy Saving Trust and is easily identified by end users when purchasing the aforementioned white goods.

Paxtons offer a full range of UPVC glazed products that comply with all of the ratings A – E.

For your information, our standard glazed frame using normal Low E Glass with Aluminium Spacer Bar achieves an E rating (in line with domestic replacement requirements of Part L) and if you choose to Argon Fill this same unit, the rating will improve to a D (as per the requirements of Part L for all new dwellings and extensions).

In terms of the ratings A-C, to achieve these, we need to change the glass type; the spacer bar material and in some cases the reinforcement specification.

Please see below for the glass, spacer and reinforcement specification for each rating. Important Points to Note with regards Ratings A – C



In all circumstances, A, B and C will use a 'Warm Edge' Super Spacer Bar, which is a non-aluminium carbon based product and is only available in a black spacer bar colour.

All A-C rated sealed units will be Argon Filled as standard.

All A and B products will feature sealed units that use a high performance Low Iron Optiwhite glazed units.

An A rated window with an outerframe size of less than 1800mm will utilise a Thermal reinforcement. Products over 1800mm will use normal steels.

Please be aware that woodgrain product can be labelled as energy rated but at the moment there is no suitable solution for Warm Edge Spacer in terms of Authentic Georgian. Therefore, we are unable to issue certification for any authentic Georgian products.

WER applies to windows only.