

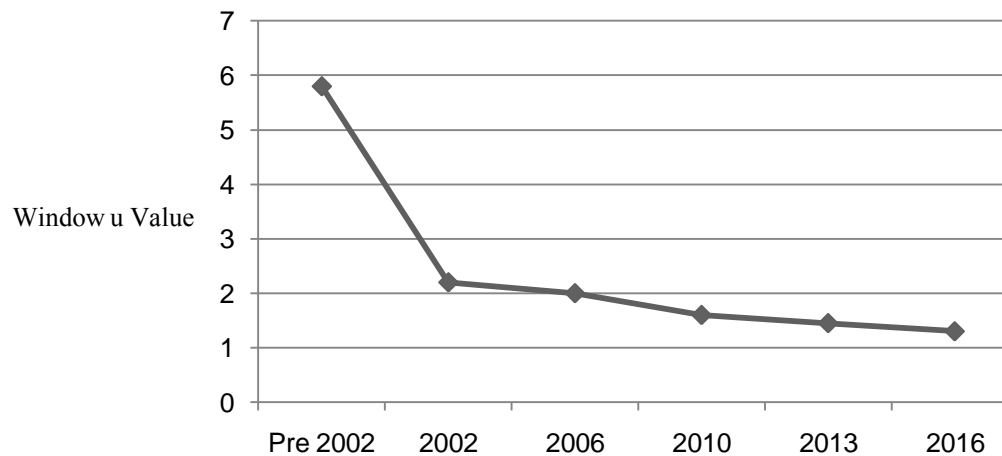


Building Regulations - Part L

April 2010 Revisions

Recent History of Part L

- April 2002 - all replacement glazing came the scope of the Building Regulations.
- April 2006 - BFRC WER's Introduced as a method of compliance. (E rating minimum)
- April 2010 – C rated window
- Whole Window U value ?





Building Regulations - Part L

April 2010 Revisions

Windows - Current Regulations (minimum requirement)

Replacement Windows in
Existing Dwellings

Window Energy Rating – **E**

Window U Value – **2.0W/m²k**

Centre Pane U Value – **1.2W/m²k**

New Windows In
Extensions

Window Energy Rating – **D**

Window U Value – **1.8W/m²k**

Centre Pane U Value – **1.2W/m²k**



Building Regulations - Part L

April 2010 Revisions

Windows – Proposed Regulations April 2010

Replacement Windows in Existing Dwellings

Window Energy Rating – **C**

Window U Value –?

No Centre Pane Option

New Windows In Extensions

Window Energy Rating – **C**

Window U Value –?

No Centre Pane Option



BFRC Window Energy Ratings

What are they?

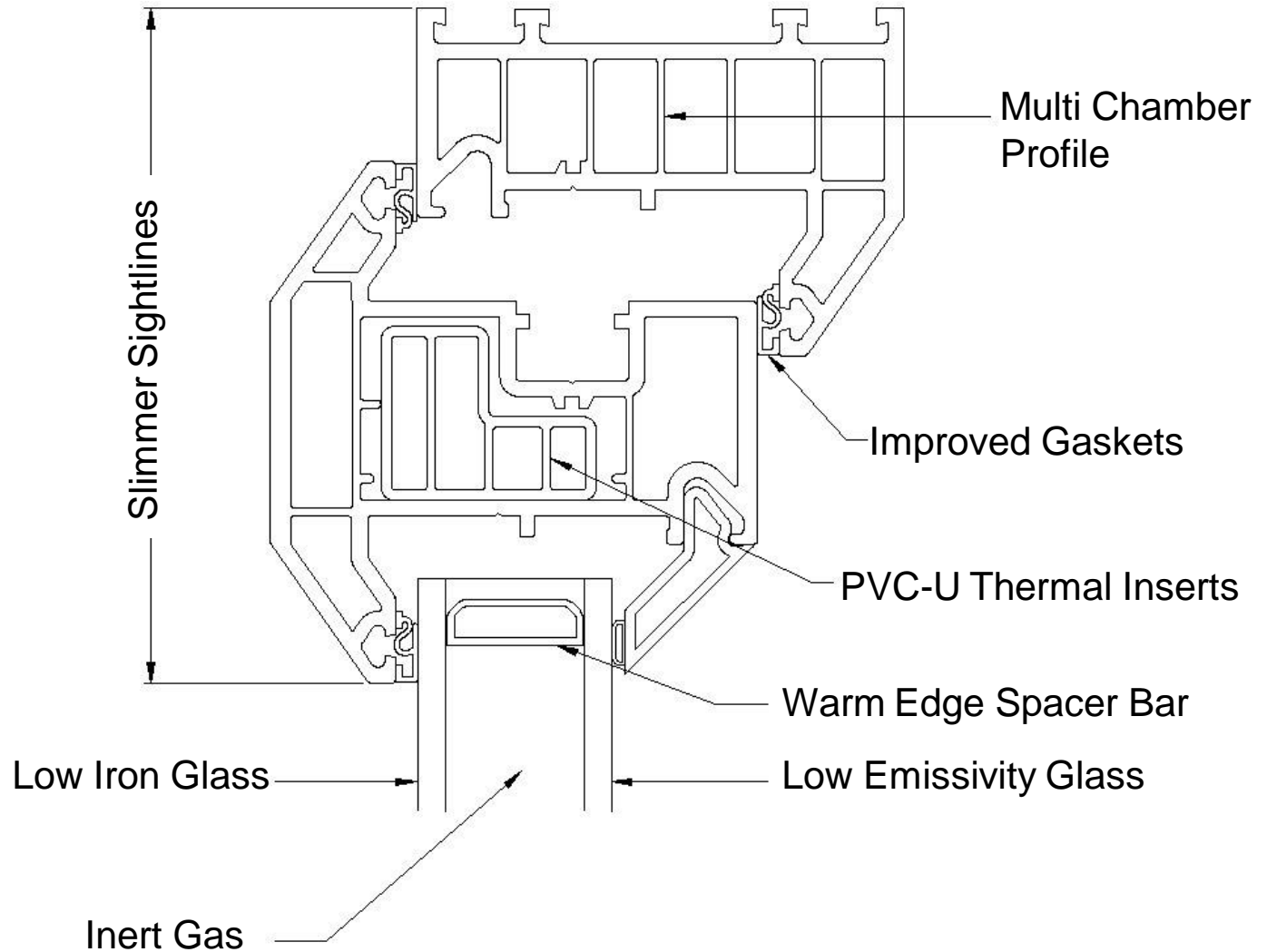
- A Method of rating the thermal performance of **replacement** window systems of different framing materials.
- BFRC Ratings are calculated using 3 factors:
 - Heat loss through the window/glass (*U value*)
 - Solar Gain through the glass (*g value*)
 - Heat lost through perimeter seals (*L50 value, Air Leakage*)
- Calculations carried out by approved BFRC Simulator using thermal simulation software

Eurocell has 5 BFRC Certified Simulators



BFRC Window Energy Ratings

How to Improve a Window's Energy Rating





BFRC Window Energy Ratings

Benefits to the consumer

- Improving the energy efficiency of their home
- Save money on heating bills
- Reduce CO² emissions
- Add value to the property



BFRC Window Energy Ratings

Potential Savings

**Savings calculated against pre-2002 specification windows
Based on a 35 year life cycle*

C rated

£ 5,530 (£160 per year) and a reduction of 30 tonnes of CO²

A rated

£ 6,580 (£190 per year) and a reduction of 60 tonnes of CO²

C rated windows can reduce the amount of energy lost through the windows in an average home by up to 70% and an **A rated** window by up to 90%

That's the equivalent to running 9 televisions for a year , driving 600 miles in an average sized car or making 34,000 cups of tea!

*Source: Energy Savings Trust