



**DOMESTIC & TRADE SUPPLIERS OF  
TOP QUALITY  
WINDOWS, DOORS & CONSERVATORIES**  
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## Energy saving windows

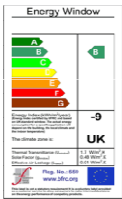
SCI are now able to offer A, B and C rated windows which enable you to save money on your heating bills as well as reduce carbon emissions and your personal carbon footprint. Energy used in the home is responsible for 27% of all carbon dioxide (CO2) emissions with most of this created by heating the home. A crucial factor in reducing these emissions and safeguarding the environment is your choice of glazed window.



**Energy saving makes  
Clear sense.**

### What do they do?

Energy rated windows help to contain and conserve heat within the home keeping out wind and rain, resisting condensation and yet allow natural "free" energy - the warmth of the sun - to heat the home. The **A** (most efficient) to **G** (less efficient) labelling system is similar to the labelling already used on white goods. The Building regulation requirement introduced in April 2002 is only for an E rated window. For windows in new domestic extensions, the minimum requirement is currently band **D**. **\*Wood grain PVCu windows are rated 1 rating lower than the same window in white PVCu. This is because of the different make up of the frame. A B rated wood grain window is therefore the most efficient that we can achieve at this time.**



### Reduce your carbon footprint

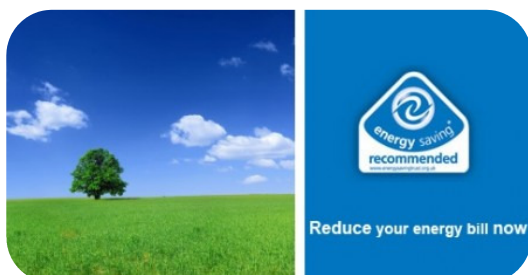
If you live in a single glazed house and install Energy Efficient Windows, you could reduce the energy you use by 0.30 tonnes or 18% - almost reaching the Government target of 20% reduction per household.

### Aren't they expensive?

Right now, we are offering a free upgrade to **C** rated windows on all of our contracts. Our **B** and **A** rated windows do cost more but savings made on heat retention in the home and lower energy bills far outweighs the higher cost of the windows.

### Save money!

If your home is single glazed or your double-glazing was installed prior to April 2002 then you could be losing more heat than necessary, and therefore money, literally out of the window. However, by switching to Energy Efficient Windows you can save energy and reduce your household bills by as much as £461\* per year.  
 \* British Fenestration Rating Council 2007



### Our Guarantee

Our confidence in the performance of these products is such that we are happy to pass on the 10 Year Guarantee on the double glazed units in all **A** to **C** rated windows, which is offered to us by Solaglass/Saint-Gobain Glass.

**Please see overleaf for the technical stuff!**



# **ENERGY RATED WINDOWS incorporating ECOCLEAR glass**

## **THE TECHNICAL STUFF**

Windows glazed with **EcoClear** will, according to industry reports help households save thousands of pounds over the lifetime of their windows as well as dramatically cut down on carbon dioxide emissions by minimising energy loss from the home and reducing or eliminating the need for additional heating.

We achieve A, B and C ratings by glazing the windows with the latest SGG EcoClear® high performance, energy efficient double glazed units which all incorporate the new SGG PLANITHERM TOTAL coated glass technology together with an argon gas filled cavity. The ratings are achieved as follows:

### **C rated**

- Replacement of inner pane of standard glass with *SGG PLANITHERM TOTAL* coated glass
- includes aluminium spacer bar
- standard outer pane of glass

### **B rated – as C plus**

- addition of a warm edge spacer bar, *Swiss Spacer V*
- Gives improved thermal insulation
- Virtually no condensation



### **A rated – as B plus**

- replacement of the outer pane of standard glass with an extra-clear glass, *SGG DIAMANT*
- greatly increases levels of natural light

### **Component Specifications**

**SGG PLANITHERM TOTAL** has an increased solar factor (g-value) of 0.66 while maintaining the same low u-value of 1.2 W/m<sup>2</sup>.K thus further optimising the balance between free solar heat gain and heat loss, reflecting the heat inside your house back into the room rather than allowing it to escape.

**SGG DIAMANT** is used as the outer pane of the double glazed unit in order to maximise the free solar heat gain (solar factor or g-value) of the window and hence allowing a room to benefit from increased heat transmittance.

**Swiss Spacer V** is made of composite fibreglass which has a very low level of thermal conductivity allowing it to act as a thermal break thus enabling better thermal performance and virtually eliminating condensation for the inside pane. A warm edge spacer bar also eradicates potential frame mould problems.

**Argon gas** is an inert gas, lighter than air that is used to fill the cavity of EcoClear double glazed units to further improve their thermal performance.

The new SGG PLANITHERM TOTAL glass coating is invisible to the naked eye unlike older coating technology used in old-fashioned thermally insulating double glazed units.

Woodgrain foiled products are only available as B or C rated due to the increased steel reinforcing required.

Patterned glass and double glazed units incorporating applied leads and bevels or any type of decorative bars are excluded from consideration under the Window Energy Rating scheme. They are therefore attributed the same rating as the same window containing none of these components.

**Our A-C rated units are made with 30% recycled glass and all come with a 10 year guarantee.**