



Now is the time to improve the energy efficiency of your home.



PILKINGTON
NSG Group Flat Glass Business

Why are energy efficient windows so important?

You'll probably know that the amount of energy we waste in our homes is directly linked to climate change. And you'll definitely know about the ever increasing cost of heating your home. But did you know that the glass you use in your windows can help your home be more energy-efficient?

Your windows can have a big impact on the amount of energy you use, the comfort of your home and the cost of heating it – and if you're thinking of replacing them, look no further than the Pilkington **energiKare™** system.

So how does Pilkington **energiKare™** work?

Pilkington **energiKare™** differs from basic double glazing as it works in two ways. It reduces the amount of heat lost through your windows, but also allows more heat (energy) from the sun in through the glass. This effect is known as solar gain and you'll benefit from its effects all year round, for free.

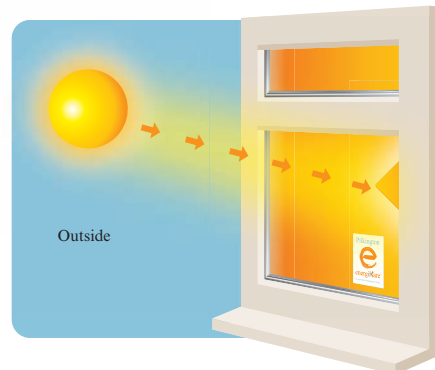
Pilkington **energiKare™** contains two special types of glass:

- Pilkington **Optiwhite™** – a special 'extra-clear' type of glass. It increases the degree of solar heat gain to help make your home feel warmer.

And one of the following from the Pilkington **K Glass™** range, the UK's leading low-emissivity (low-e) glass:

- Pilkington **K Glass™**
- Pilkington **K Glass™ OW**
- Pilkington **K Glass™ S**

Filling the double glazed unit with either argon gas or air combined with a warm edge spacer, reduces the amount of heat escaping from the windows. This helps to further improve the thermal performance of your window, making your home feel warmer.



The Benefits

- Improves the energy efficiency of your home
- Can reduce the amount of energy you use, saving you money
- Is more effective than single or basic double glazing
- Pilkington **energiKare™** is suitable for use in uPVC, timber and metal windows
- It incorporates glass from the Pilkington **K Glass™** range, the leading low-e range in the UK and Ireland
- Manufactured to the highest British and European quality standards
- You can receive a Pilkington **energiKare™** certificate after installation

The Range

As well as the standard Pilkington **energiKare™** Insulated Glass Units (IGUs), the Pilkington **energiKare™** range comprises of Pilkington **energiKare™** Triple and Pilkington **Spacia™** offering energy efficiency in a broader range of properties, including new homes and older traditional buildings.



Pilkington **energiKare™** Triple



Cross section Pilkington **energiKare™** unit



Pilkington **Spacia™**

Doesn't all double glazing save energy?

Of course all double glazing offers a degree of energy efficiency. And it's still much better than single glazing.

However, Pilkington **energiKare™** is more than twice as energy-efficient as older uncoated double glazing. The Window Energy Rating (WER) scheme has been put in place to help make choosing windows easier.

Did you know?

Providing your existing frames are still in good condition, it is an option to just replace the glazing to see a huge potential improvement on the energy efficiency of your home.

Understanding Window Energy Rating System.

This system is similar to the one used for domestic appliances and light bulbs, and lets you compare the energy efficiency of the complete window and frame with competing products. Windows using Pilkington **energiKare™** units are A to C rated as they significantly reduce the amount of energy you use to heat your home.

Whether your windows achieve an A, B, or C rating depends on which product in the Pilkington **K Glass™** range is used in the back pane of the window unit.

Incorporating a low-e glass from the Pilkington **K Glass™** range in windows is recognised by the Energy Saving Trust as a means of reducing heat loss; enabling the windows to be eligible for Energy Saving Recommended status when a WER of B or above is achieved – an Energy Saving Trust initiative backed by the Government.

By using Pilkington **energiKare™** in your windows you will:

- Improve the energy efficiency of your home
- Save money on your heating bills
- **Become more environmentally friendly!**

Proud supporters of



energy saving trust®

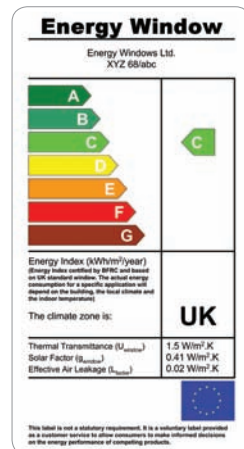




Image courtesy of Rowland Homes

Choose Pilkington **energiKare™** and save more than the environment.

Because Pilkington **energiKare™** can help most windows gain a minimum C rating on the Window Energy Rating scheme, you can rest assured that you're doing your bit to make your carbon footprint a couple of sizes smaller (a reduction of over 0.6T of household CO₂ each year). You could also reduce your heating bills by over 20% every year.

A typical semi-detached house upgrading from single glazing could save up to £9,000* over the lifetime of the windows. What's more, any home that is for sale now has to have an environmental rating and is sold with an Energy Performance Certificate. Using Pilkington **energiKare™** will contribute to this and could be a positive factor in selling your home.

Depending on the size of your house, by upgrading your glazing to Pilkington **energiKare™** you could save enough each year to:

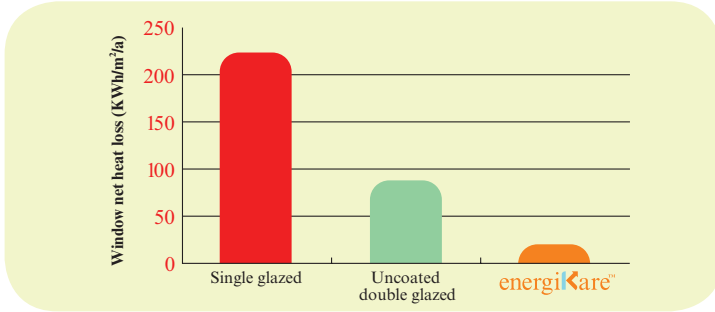
- Run an LCD computer screen for 43,500 hours, which is equivalent to nearly 5 years of continuous use
- Make over 34,000 cups of tea
- Run an "A+" rated fridge freezer for 6.6 years

*Based on Pilkington's assumption of energy prices increasing by 10% per annum. Savings calculated when you change from timber single glazing to C rated windows in a typical semi-detached house with gas central heating – calculations based on a 20 year period. Please visit www.pilkington.co.uk/energikare for more information.



With Pilkington **energiKare™** less heat escapes.

Pilkington **energiKare™** helps windows achieve high levels of energy efficiency, a minimum C rating, which satisfies part of the current building regulations standard (Part L 2010).



These images show you just how effective Pilkington **energiKare™** is at reducing heat loss through your windows. The upstairs windows are fitted with Pilkington **energiKare™**, and the green/blue colour shows they're losing very little heat. Compare that with the red colour of the original style glazed window downstairs, and you can see the difference.

Upstairs windows using Pilkington **energiKare™**



Original single glazed downstairs windows

So choose Pilkington **energiKare™** today. Visit www.pilkington.co.uk to find a window installer near you.

YOUR LOCAL SUPPLIER:

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CE marking confirms that a product complies with its relevant harmonised European Norm. The CE marking label for each product, including declared values, can be found at www.pilkington.com/CE



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