



Help to reduce energy bills and heat loss

 **Pilkington energikare™**
energy efficient glazing



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 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 – so if you're thinking of replacing them, look no further than the Pilkington **energiKare™** range.

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

Pilkington **energiKare™** is the name given to our range of double and triple glazing insulating glass units designed to improve the thermal efficiency of residential properties. A Pilkington **energiKare™** unit reduces the amount of heat lost through your windows and can also allow more heat energy from the sun, referred to as solar-gain, through the glass.

Pilkington **energiKare™** double glazing contains an optimised combination of glass, spacer bar and gas fill to achieve the best Window Energy Rating (WER) or U-value for each window application;

- The inner pane of glass comprises a product from either the Pilkington **K Glass™** range; the

UK's most recognised low-e glass or the Pilkington **Optitherm™** range.

Low-e glass helps to prevent heat escaping through the window

- The outer pane of glass comprises: Pilkington **Optiwhite™** our low-iron, extra clear glass or Pilkington **Optifloat™** Clear, our standard float glass. Both types of glass allow more 'free' heat from the sun to pass through the glass.

Filling the double glazed unit with argon gas or using a warm edge spacer bar can help to further reduce the amount of heat loss. Improving the thermal performance of your window will make your home feel warmer.

The benefits of Pilkington **energiKare™** range

- 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 PVC-U, timber and metal windows
- Manufactured in the UK to the highest British and European quality standards.

The Range

As well as the standard Pilkington **energiKare™** Insulating Glass Units (IGUs), the Pilkington **energiKare™** range comprises of:

- Pilkington **energiKare™** Advantage – triple glazing performance in a double glazed unit
- Pilkington **energiKare™** Triple – high performance triple glazing, for superior thermal efficiency.



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, you can simply replace the glazing to help reduce your bills and improve the energy efficiency of your home.



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!

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, dependent upon frame, as they significantly reduce the amount of energy you use to heat your home.

Windows can achieve the highest rating of A++, depending on which product from the Pilkington K **Glass™** or Pilkington **Optitherm™** range is specified.

Energy Window		Company Name Product Description Product Name
		
Energy Index (kWh/m²/year) (Energy Index certificate by BFRC and based on UK standard window. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature)	20	
The Climate zone is	UK	
Thermal Transmittance (U) (window)	0.00 W/m².K	
Solar Factor (g) (window)	0.00	
Effective Air Leakage (L) (factor)	0.00 W/m².K	
	Reg. No.: 0000	10000
	Review Date: 12/2017	
	Please visit www.bfrc.org to check the validity of this license.	
<small>This mark is a voluntary measure. It is a voluntary mark provided to consumers to allow comparison of value between products on the market for thermal and energy products. © 2017 by the British Council of Energy Efficiency Engineers (BCEEE)</small>		





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 be assured that you're doing your bit to reduce your carbon footprint.

To see just how much money you can save by replacing or upgrading your windows visit www.ggf.org.uk/energy-savings-calculator.

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.

With Pilkington **energiKare™** less heat escapes

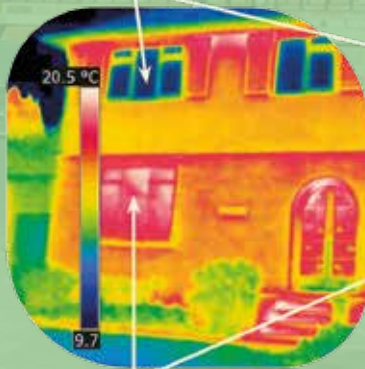
As well as achieving high levels of thermal insulation, Pilkington **energiKare™** can also help windows to meet the requirements of the building regulations for energy efficiency in the UK (e.g. Part L 2016 in England).

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 blue colour shows they're losing very little heat. Compare that with the red colour of the original single glazed window downstairs, you can see the difference.

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

Upstairs windows using Pilkington **energiKare™**



Original single glazed downstairs windows

This publication provides only a general description of the products. Further, more detailed, information may be obtained from your local supplier of Pilkington products. It is the responsibility of the user to ensure that the use of these products is appropriate for any particular application and that such use complies with all relevant legislation, standards, codes of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Pilkington, "energiKare", "Optitherm", "Optiwhite", "Optifloat", and "K Glass", are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



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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