



Pilkington **energiKare™** Triple



PILKINGTON
NSG Group Flat Glass Business

Pilkington **energiKare**™

The family that's at home anywhere.

Pilkington **energiKare**™ Triple

The expanded family of Pilkington **energiKare**™ products lets you get all your glass energy saving requirements from one source. From new homes to older traditional buildings, you can now obtain better window energy efficiency in a wide range of different products.

Pilkington **energiKare**™ Triple is the choice for the best possible energy efficient performance, surpassing the best performing double glazing units.

Window Energy Ratings explained

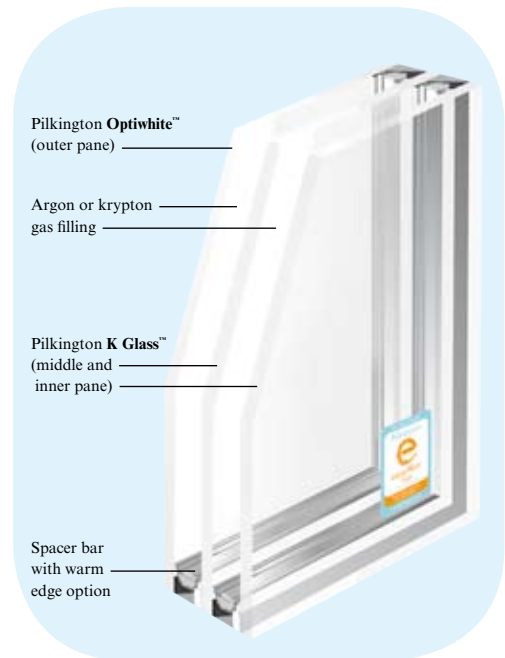
The Window Energy Rating System measures the efficiency of the complete window and frame to produce a single number. It's based on a similar European Union system for domestic appliances and is a simple way to compare the energy efficiency of alternative products. Designed for replacement windows, it is also a good indicator of window energy efficiency in new homes.

Standard Assessment Procedure (SAP) ratings for new homes

All new homes have to meet total carbon emission targets that are set to tighten in the coming years. Ultra-efficient triple glazed windows can be a major factor in achieving excellent overall building energy efficiency performance. As energy performance requirements tighten, only windows with triple glazing will achieve the necessary levels of performance.

The importance of energy efficient glazing

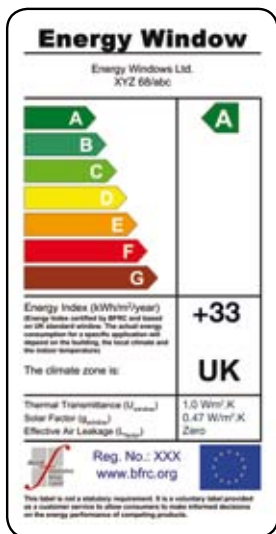
Advances in technology have made windows a larger contributor to the energy efficiency of new homes. Government regulations have reflected this by making ever more stringent demands on the energy performance of buildings. Pilkington **energiKare**™ Triple surpasses all recognised guidelines, so it helps save money, and protect the environment.



How it works

Pilkington **energiKare**™ reduces the amount of heat lost through windows and still allows heat in from the sun, an effect known as solar gain. Pilkington **energiKare**™ achieves this because it contains two special types of glass:

- Pilkington **K Glass**™, the UK's best selling low-emissivity glass which helps prevent heat escaping from homes.
- Pilkington **Optiwhite**™ is a special 'extra-clear' type of glass. It increases the degree of solar heat gain and makes homes warmer using free energy from the sun.
- Pilkington **energiKare**™ Triple is a triple-glazed unit, comprising two panes of Pilkington **K Glass**™ and an outer pane of Pilkington **Optiwhite**™ with argon gas fill in both cavities. Overall thickness of the unit can be optimised to fit a variety of modern framing and bead dimensions.
- This combination of thermal insulation and solar gain allows Pilkington **energiKare**™ to make a significant reduction to home energy usage, as the solar gain is greater than the heat lost.



Proud supporters of

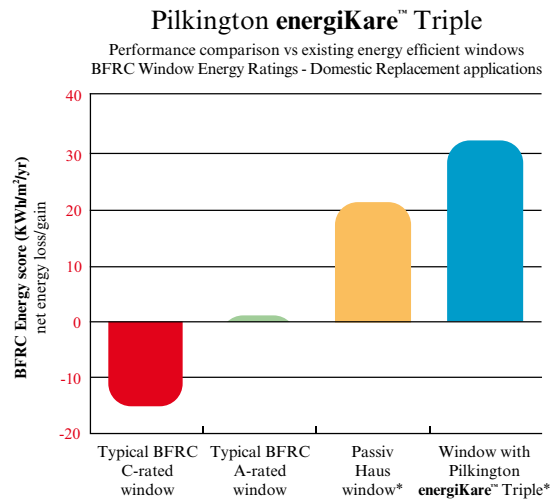
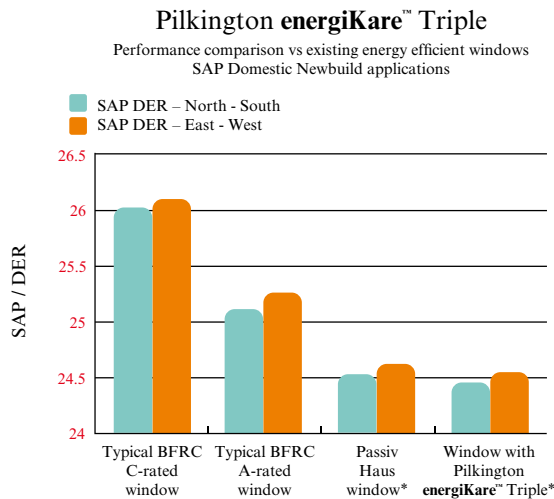


Pilkington **energiKare™** Triple, for optimum performance.

Pilkington **energiKare™** Triple is the ultimate choice for high performance. It allows you to achieve the highest window energy efficiency, is particularly targeted at new low or zero carbon homes, and surpasses all relevant building regulations – now and those envisaged for the future.

- High performance triple-glazed units optimise the balance between U-values and g-values to maximise energy efficiency.
- Suitable for low and zero carbon homes and for use in new builds. Also suitable for use in existing homes where framing systems allow.
- Capable of meeting the requirements of the Code for Sustainable Homes, without the need for soft coat options.
- Far exceeds BFRC WER A rating performance and Passiv Haus requirement levels.
- Designed to achieve increased solar gain and low carbon SAP scores, allowing larger glazed areas without compromising the energy efficiency of new homes.
- Use of Pilkington **Optiwhite™** and Pilkington **K Glass™** OW further improves solar gain and light transmission.
- Warm edge spacer bar options are available for even better energy efficiency and reduced risk of edge condensation.
- Mid-pane is toughened as standard to reduce the risk of thermal breakage.

SAP = Standard Assessment Procedure DER = Dwelling Emission Rate



*using advanced framing systems

Pilkington **energiKare™** Triple - variants

Outer Pane	Cavity	Mid Pane	Cavity	Inner Pane	U _g	TSHT % (g value)	LT %	IGU(mm)
Optiwhite	12mm argon	K Glass T	12mm argon	K Glass	1.0	66	64	36
Optiwhite	16mm argon	K Glass T	16mm argon	K Glass	0.8	66	64	44
Optiwhite	12mm argon	K Glass OW T	12mm argon	K Glass OW	1.0	68	67	36
Optiwhite	16mm argon	K Glass OW T	16mm argon	K Glass OW	0.8	68	67	44
Optiwhite	12mm krypton	K Glass OW T	12mm krypton	K Glass OW	0.8	69	67	36

LT = Light Transmission T = Toughened TSHT = Total Solar Heat Transmission or g value

The above table is determined in accordance with EN410 and EN673.

Warm edge spacer bar contribution to U_w depends on frame type and glazed area.

This publication provides only a general description of the product. Further, more detailed information may be obtained from your local Pilkington Building Products supplier. It is the responsibility of the user to ensure that the use of this product is appropriate for any particular application and that such use complies with all relevant legislation, standards, code 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, K Glass and Optiwhite are trademarks of Nippon Sheet Glass Co. Ltd.

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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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