



Pilkington **energiKare™** Advantage
The ultimate in energy-efficient glazing
Triple glazed performance in a double glazed unit

Pilkington **energiKare™** Advantage

Are you looking for a revolutionary way to obtain superb energy efficient-glazing and indoor comfort? Then look no further than Pilkington **energiKare™** Advantage which incorporates a new concept in Insulating Glass Unit (IGU) manufacture. By using Pilkington **K Glass™** on Surface 4 of the unit and Pilkington **Optitherm™** S1 Plus on Surface 2, an extremely low U_g -value of $0.9 \text{ W/m}^2\text{K}$ can be easily achieved. This is equivalent to triple glazing performance but in a double glazed unit – making it ideal for refurbishment projects.

How does it work?

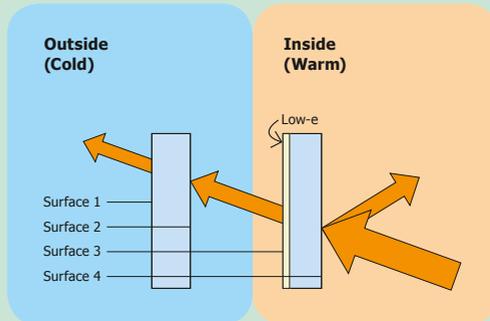
This concept works by using two low-e (low emissivity) coatings in an IGU which both reflect heat back into the room and reduce the amount of radiant heat loss through the glass.

By applying low-e coatings on two surfaces of an IGU the centre pane U_g -value can be significantly lowered and thus reduces the amount of heat lost. Put simply, triple glazing performance can be achieved with only two panes of glass!

How does Pilkington **energiKare™** Advantage work?

Standard IGU

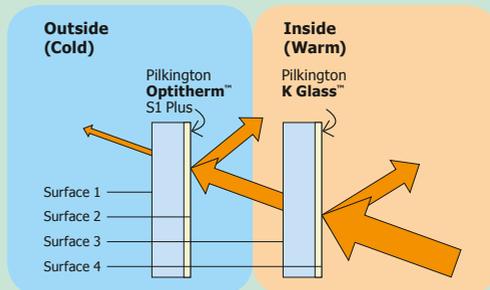
A standard double glazed unit has one low-e coating on Surface 3. However by introducing a coating to Surface 2 and using an additional low-e coating on Surface 4, the ultimate solution in thermal insulation is achieved.



Note: additional small reflections, from Surface 2 and Surface 4, not shown.

IGU with Pilkington **energiKare™** Advantage

The Pilkington **K Glass™** coating on Surface 4 reflects more room heat back inside which reduces the radiant heat loss and improves the overall insulation of the IGU.



Heat reflected back into the room by Surfaces 4 and 2.

KEY



Heat flow/measure of heat loss

Double-glazing with the performance of Triple-glazing

Cleaning Guidelines

Pilkington **energiKare™** Advantage is slightly different in construction to other IGUs as it has a coating on Surface 4 (the internal surface).

Therefore a little more care is needed when cleaning the inside surface. Abrasive cleaning agents and sharp edges should not be used as these can leave marks on the coating that can be difficult to remove. We also recommend if anything (other than water) is splashed onto the surface, it should be cleaned immediately and not allowed to dry. Please refer to cleaning guidelines.

For routine cleaning any standard propriety brand can be used.

For further information, please consult our additional 'cleaning guidelines' or alternatively visit www.pilkington.co.uk/energikare



Where to use Pilkington **energiKare™** Advantage

- Refurbishment projects
- Upgrading existing double glazing
- New build





Made in the UK

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The CE marking label for each product, including declared values, can be found at www.pilkington.com/CE



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