Pilkington energiKare™ Advantage
The ultimate in energy-efficient glazing
Looking for a revolutionary way to obtain superb energy efficient glazing and indoor comfort? For applications requiring an optimised U<sub>v</sub>-value look no further than new Pilkington energiKare™ Advantage.

Pilkington energiKare™ Advantage incorporates a new concept in Insulating Glass Unit (IGU) manufacture. By using Pilkington K Glass™ OW on Surface 4 of the unit and Pilkington Optitherm™ S1 Plus on Surface 2, an extremely low U<sub>v</sub>-value of 0.9 W/m²K can be easily achieved. This is equivalent to triple glazing performance but in a double glazed unit.

How does it work?

Adding an on-line low-e coating to Surface 4 of an IGU reflects additional infrared heat back into the house, reducing the amount of radiant heat loss through the glass.

By applying low-e coatings on two surfaces of an IGU the centre pane U<sub>v</sub>-value can be significantly reduced and thus reduce the amount of heat that is lost. Put simply, triple glazing performance can be achieved with only two panes of glass!

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

**Standard IGU**

Normally a standard IGU has a low-e coating on Surface 3, however by introducing a coating to Surface 2 and using an additional low-e coating on Surface 4, this new concept provides the ultimate solution in thermal insulation.

**IGU with Pilkington energiKare™ Advantage**

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

**KEY**

Long wave radiation

Less heat emitted from Surface 2 and Surface 4.
The Pilkington energiKare™ range comprises energy-efficient options to help customers, using WER or $U_g$-value to meet current building regulations.

A Pilkington energiKare™ unit comprises an outer pane of Pilkington Optiwhite™ or Pilkington Optifloat™, and an inner pane from either the Pilkington K Glass™ or Pilkington Optitherm™ range.

Double-Glazing with the performance of Triple-Glazing

A significant benefit for window installers, fabricators and homeowners is that our new Pilkington energiKare™ Advantage provides superior thermal performance without investing in the additional time, cost and raw materials to produce triple glazing.

- No additional raw materials required
- No additional capital investments necessary
- Easily integrated into current fabrication process
- Lighter construction
- Can use existing profiles
- Superior thermal insulation
- Low $U_g$-value
- Highly durable
- Can be toughened

Cleaning Guidelines

Pilkington energiKare™ Advantage is slightly different in construction to other IGUs as it has a coating on Surface 4. Pilkington K Glass™ and Pilkington K Glass™ OW have a very thin, durable, pyrolytic coating on one surface which requires a different cleaning procedure compared to plain, non-coated, float glass.

Where to use Pilkington energiKare™ Advantage

- New-build housing
- Refurbishment projects
- Upgrading existing double glazing

For further information, please consult our additional ‘Cleaning Guidelines’ or alternatively visit www.pilkington.co.uk/energikare email pilkington@respond.com or contact our Customer Contact Centre 01744 692000.
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