

Pilkington K Glass - Energy Management



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How does Pilkington K Glass work?

You're probably wondering how a microscopic coating on a pane of glass can make such a big difference to its performance. This is how it works.

The glass in your windows absorbs heat then radiates it again on the colder, outside, surface. Pilkington K Glass has what is called a low emissivity coating on the surface that faces into the air gap of the double glazing unit.

Low emissivity means the coating is a poor radiator. The heat absorbed by the coated glass is inhibited from radiating across the air gap and then from the outer pane to the cold outside world. Instead the heat is reflected back into the room by the coating, which works in a similar way to a sheet of reflecting foil placed behind a central heating radiator bouncing the heat back into the room.

Pilkington K Glass should not be used as single glazing.

Helping to meet the latest Building Regulations

Changes to the Government Building Regulations (Part L in England and Wales and Parts J & A in Scotland) aim to improve the thermal efficiency of all buildings, and set out mandatory requirements for any replacement windows and windows in new structures.

With Pilkington K Glass incorporated into a suitable insulating unit (such as the HERONHURST System), you can be sure your windows easily meet both these standards.

Appearance

Pilkington K Glass has high light transmission and appears virtually the same as clear float glass. However, in rare instances of strong oblique lighting, the coating may be seen as a transparent film. This is simply a transient visual effect, which can be considered positive evidence of the coated surface being present.

Further evidence of the coating's presence is through the very minor effect it has on white light transmission. This effect is so small as to be generally unnoticeable. However, when a light coloured object or material is in close proximity to the glazing, dependent on local circumstances and conditions, a slight darkening can be noted.

Because Pilkington K Glass is so neutral in appearance, it is recommended that its presence in a double glazing unit is confirmed on installation.

Every genuine piece of Pilkington K Glass carries the "OK" sticker - but its presence can also be confirmed by the use of a coating detector which unit manufacturers or installers (such as HERONHURST) should have available.

In certain extreme environmental conditions, low emissivity glass might increase external condensation.

HERONHURST install a full range of Energy Efficient windows, doors and conservatories which can improve your homes warm, reduce energy waste and save you money! You can contact them on FREECall 0800 525966 or at www.heronhurst.co.uk