

New Part L Building Regs, what will change?

The new UK Building Regulations came into force for applications made on or after 15th June 2022. The changes focus on improved fabric performance and a reduction in energy consumption. The goal? Reduce carbon emissions from new homes by around 30%.

What has changed?

For thermal elements



Windows



Roof windows



Glazed doors

Before

Previous Document L

Notional U-value Target:

1.4 W/m²K

U-value / Maximum:

2.0 W/m²K

Now

New Document L

Notional U-value Target:

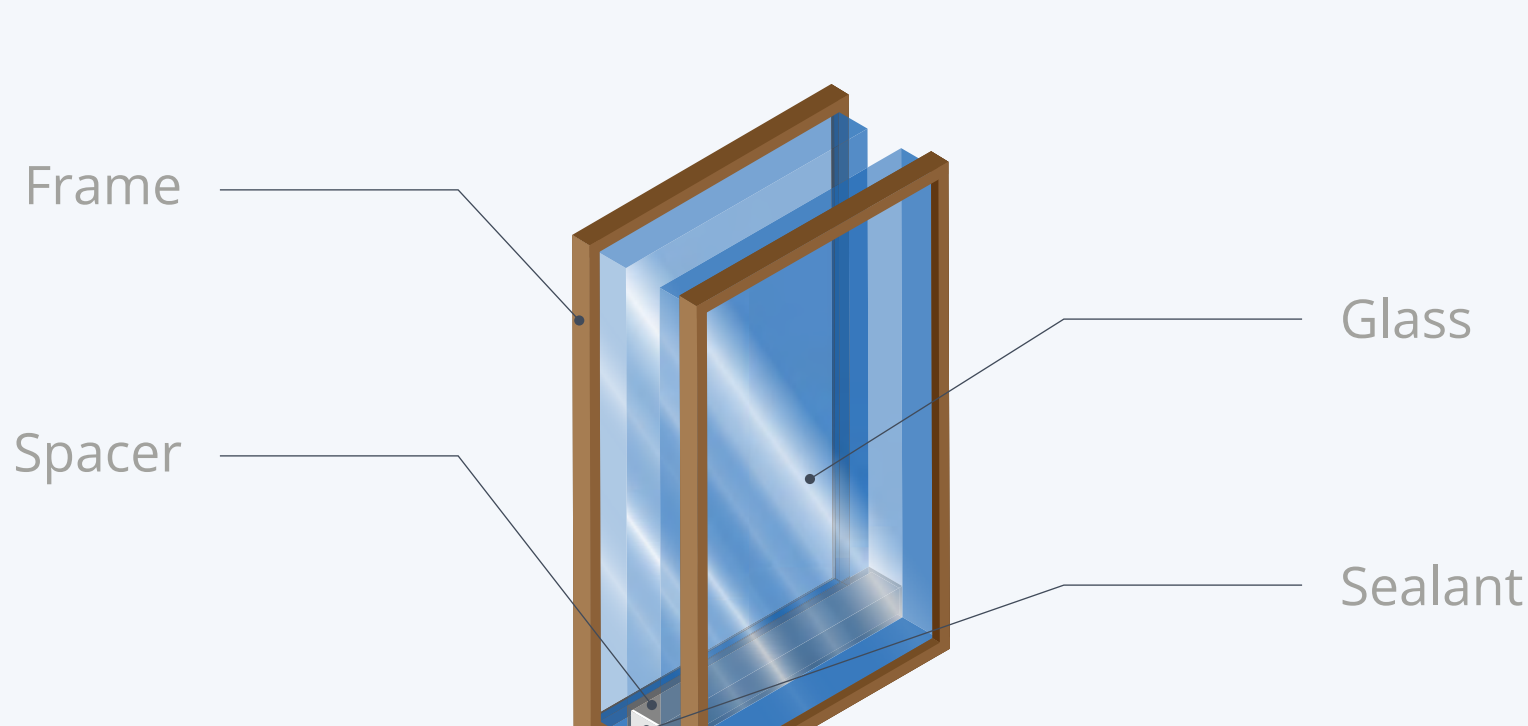
1.2 W/m²K

U-value / Maximum:

1.6 W/m²K

What impact for new dwellings?

The U-value of the glass will have to be much lower to enable a new dwelling to achieve its targets for **primary energy**, **carbon emissions** and **fabric energy efficiency rates**.



- **Frame + Sealant + Spacer** > Must also be considered when calculating the U-value of the window.
- In order to achieve a notional Uw-value of 1.2 W/m²K, builders and architects will in most cases need to specify glass products with a Ug-value of **1.0 W/m²K**.

What impact on the glass industry?

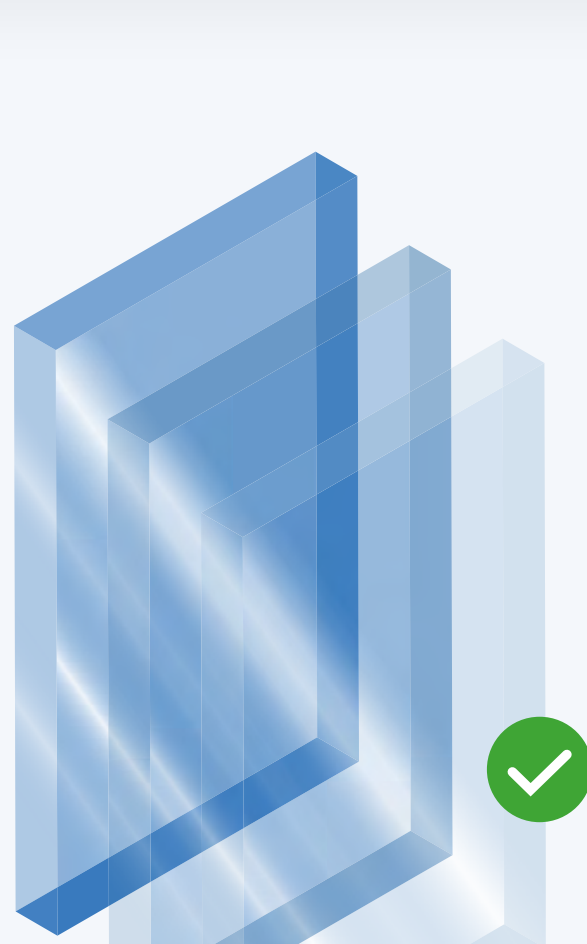
As the current standard offering 1.2 W/m²K glass products will not meet new regulations for new buildings, glass processors and window makers will need to stock two types of Ug-value glass products, or choose one product with a 1.0 W/m²K Ug-value.

One solution to meet the regulation needs: ClimaGuard[®] Neutral 1.0

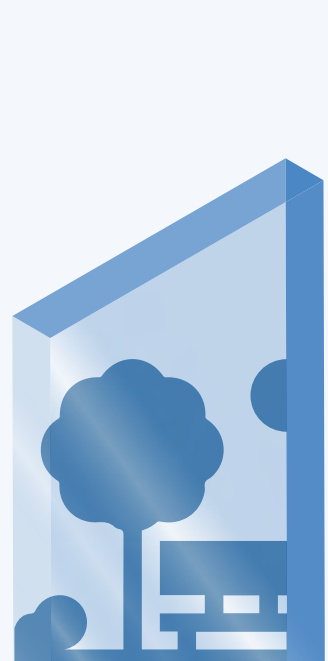


High level of energy performance with a Ug-value of 1.0 W/m²K

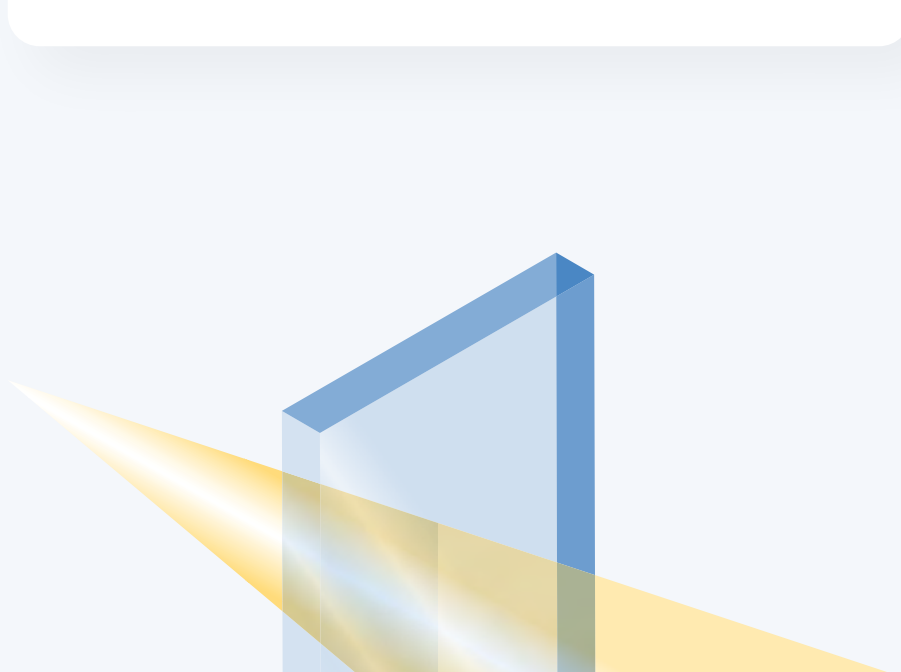
Colour-neutral appearance



Low light reflection for clear views



High light transmission



Heat treated for safety applications



Supplied as annealed, **ClimaGuard[®] Neutral 1.0** can be heat treated, in both cases meeting the 1.0 W/m²K Ug-value requirement.

Glass processors therefore will not have to stock two different glass products to meet the demand of window makers.

Learn more about ClimaGuard[®] Neutral 1.0 on guardianglass.com