

# Guardian Climaguard® 1.0+

## Improved light transmission for residential window applications

Ideal for double-glazed windows in residential applications, Guardian Climaguard® 1.0+ delivers excellent thermal insulation while taking transparency to a new level.

### Features and benefits

- **76% light transmission** for a double IGU 4-16-4 panel. The higher light transmission lets more **natural daylight** into the building. This is complemented by thermal insulation with an U-Value of 1.0 W/m<sup>2</sup>K, ensuring minimal **heat escapes** through the window glass.
- Reduces cold spots and down draughts near windows.
- Creates a **more comfortable environment** inside the house. It allows larger areas of glazing to be installed, letting even **more natural light** into rooms.

### Technical Data / Performance Table

Visible light				Solar energy			Solar factor (g) EN 410 [%]	Shad-coeff. gEN/0,87	U-Value (EN 673) Argon 90% [W/m <sup>2</sup> K]
Transmission [%]	Reflection outside [%]	Reflection inside [%]	Colour rendering index	Direct trans- mission [%]	Reflection outside [%]	Absorption [%]			
Double Glazing 4-16-4, Climaguard 1.0+ on #3									
76	18	18	96	47	39	15	53	0.60	1.0
Triple Glazing 4-16-4-16-4, Climaguard 1.0+ on #3 and #5									
64	24	25	94	12	45	21	42	0.48	0.5

The performance values shown are nominal and subject to variations due to manufacturing tolerances. Spectra-photometric values according to EN 410; U-values according to EN 673.

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