

Intelligent glass – ultimate comfort

# ClimaGuard® Premium/Premium T+

## Thermal Insulating Glass

GUARDIAN offers ClimaGuard® Premium, a thermal insulating glass meeting the highest performance and quality standards that is designed to exceed your expectations on transparency and solar heat gain. Using ClimaGuard® Premium will not only have a positive effect on your heating costs but also make an active contribution to environmental protection.

*„ Thermal performance –  
without compromise! “*



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Maximum transparency and luminosity:  $T_L = 80\%$

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Optimal thermal insulation  $U = 1.1 \text{ W}/(\text{m}^2\text{K})$

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Satisfactory solar control  $S_F = 63\%$

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Available in temperable version ClimaGuard Premium T+ with the same performance and uniformity of appearance



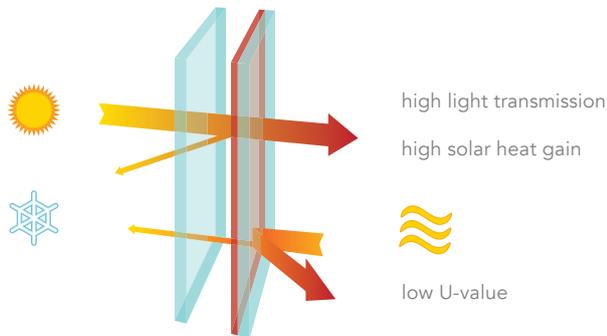
## Outstanding Transparency

ClimaGuard® Premium's optical transparency is comparable to uncoated glass - making optimal use of daylight possible. Its high colour rendering index and neutral transmitted and reflected colour offer maximum home comfort with perceived transparency. ClimaGuard® Premium blurs the borders between inside and outside the home.

## Impressive Performance

With the achievement of U-value of 1.1 W/(m<sup>2</sup>K), according to the actual EN standards, ClimaGuard® Premium allows the optimum level of thermal insulation to be reached in practical performance.

At the same time, all requirements of current energy savings regulations can be satisfied. The unusually high solar factor of 63% (standard double glazing) makes it possible to use free solar energy to attain a positive energy balance in the house.



Because of its mechanical and chemical durability, ClimaGuard® Premium is especially processor friendly.

In order to ensure a high flexibility and short lead times, ClimaGuard® Premium T+, a heat treatable version offering a good visual match with the annealed version is available.

## Technical Data / Performance Table

Insulating glass unit	Coating on glazing surface	Gas filling *	Light Transmission [%]	Light Reflection [%]	Colour rendering index Ra	Solar Factor (g) EN 410 [%]	U-Value EN 673 (15K) W/(m <sup>2</sup> K)
4-16-4	3	argon	80	12	97	63	1.1
4-14-4-14-4	2+5	argon	71	15	96	49	0.6
4-12-4-12-4	2+5	krypton	71	15	96	49	0.5

\* Gas filling rate 90%

The performance values shown are nominal and subject to variations due to manufacturing tolerances.

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