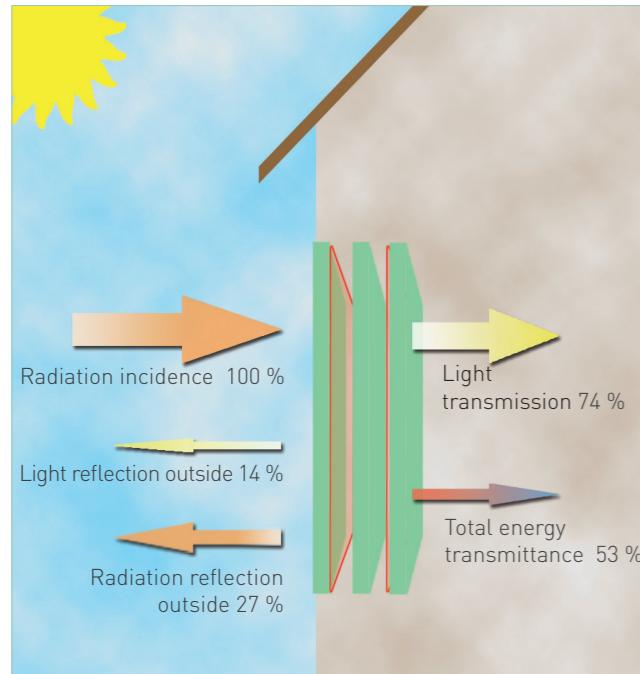


# SILVERSTAR® EN2plus brings light into the house and keeps warmth inside it.



TEAM ABSATZFÖRDERUNG GMBH 02/2013



## Technical data

Insulating glass for the pane structure SILVERSTAR EN2plus  
Double: 4 mm / cavity 16 mm argon / 4 mm  
Triple: 4 mm / cavity 14 mm argon / 4 mm / cavity 14 mm argon  
/ 4 mm has the following values:

	Double	Triple
Light transmission	82 %	74 %
Light reflection outside	12 %	14 %
Direct radiation transmission	56 %	44 %
Radiation reflection	25 %	27 %
Radiation absorption	19 %	28 %
Secondary heat reflection interior	9 %	8 %
Overall energy transmittance as per EN 410	64 %	53 %
b-factor (g-value as per DIN 410 / 0.8)	81	66
Colour reproduction index $R_a$ in transmission	98	96
$U_g$ -value as per EN 673*	1.1 W/m <sup>2</sup> K	0.6 W/m <sup>2</sup> K

\* $U_g$ -value was determined as per EN 673 for vertical installation.

The values quoted apply for insulating glass with EUROFLOAT as the basic glass.  
SILVERSTAR EN2plus is also available as temperable glass – SILVERSTAR EN2plus T. The technical characteristics of the tempered SILVERSTAR EN2plus T correspond to SILVERSTAR EN2plus. They too are colour-matched, but not the same colour.

These technical data correspond to the conditions at printing 12/2012.

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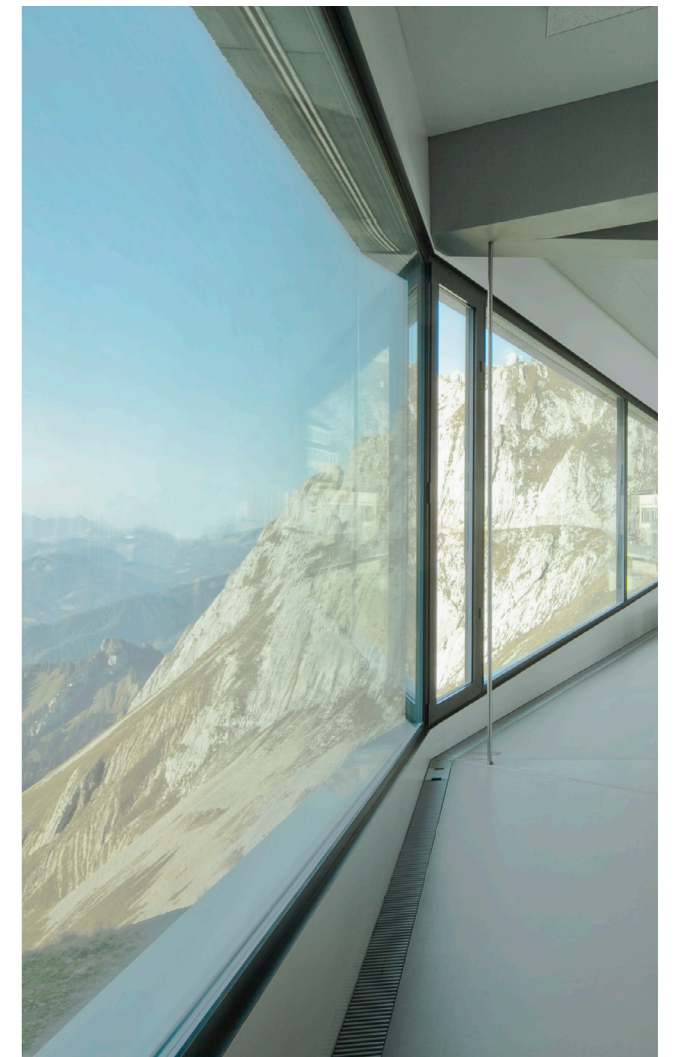
# SILVERSTAR® EN2plus

Known for its energy efficiency





# Warmth is almost synonymous with cosiness and comfort in the home. Wellness can be this easy.



Energy-efficient thermal insulation with optimum light incidence

Insulating glazing units today must perform many functions to meet with a wide range of requirements. During development, an accurate evaluation of the impacts influencing the glass in its later application is required. The focus here is on successfully combining the requirements of comfort in the home and energy efficiency.

Low temperatures and short days often cause people real problems. The regions of central and northern Europe in particular are affected in the cooler months, and they have to get through this time with heating and artificial light.

The result is high energy costs and a greater strain on our environment. Good thermal insulation and high light transmission are therefore essential.

### **Efficient, comfortable, climate-friendly**

The new SILVERSTAR EN2plus combines these two attributes, thereby providing an insulating glass solution as climate-friendly as it is convenient.

The new coating design from Glas Trösch in the form of triple insulating glazing achieves a very low  $U_g$ -value of  $0.6 \text{ W/m}^2\text{K}$  and so plays a crucial part in largely preventing heat losses.

### **Lots of natural daylight**

The light transmission of the new SILVERSTAR EN2plus is very high, at 74 % in the triple glazing unit. That allows lots of natural daylight into the interior, making the energy-expensive use of artificial light less often necessary. Its cosiness is enhanced by the most colour-neutral light transmission possible, with the yardstick for this being expressed in the colour rendering index ( $R_a$ ). A low light reflection of just 14 % reduces disruptive reflections from outside and inside.

### **SILVERSTAR EN2plus in a triple insulating glass structure**

- Excellent  $U_g$ -value of  $0.6 \text{ W/m}^2\text{K}$   
→ Efficient reduction of heating energy costs and preservation of the environment
- Very high light transmission of 74 %  
→ Lots of natural daylight, meaning savings on artificial light
- High colour rendering index of 96 and low light reflection of 14 %  
→ Colour-neutral reflection and transparency without disruptive reflections
- Also available as temperable glass – SILVERSTAR EN2plus T  
→ Logistic flexibility and short delivery times