

The logo for aluplast features a stylized window frame icon above the brand name. The brand name 'aluplast' is written in a bold, lowercase, sans-serif font. Below the brand name, the text 'Kunststoff-Fenstersysteme' is written in a smaller, lowercase, sans-serif font.

aluplast[®]
Kunststoff-Fenstersysteme

energeto[®]
An exceptional window



Most decisive for a window's energy efficiency is the **U_w-value**. The lower the heat transfer coefficient (U_w) is, the more energy efficient is the window. A better U_w-value **reduces heat costs considerably** and in this way lowers CO₂ emission.

Did you know | that windows in the building envelope are responsible for 40% of the energy consumption?

energeto®, the best window of its class, always is the right choice, since **energeto®** is a window without metallic thermal bridges in the frame-sash construction. The system shows notable heat insulation values in all versions and profile depths. This contributes actively to the reduction of CO₂, the saving of heating costs and consequently to environmental protection.



energeto® combines state-of-the-art technology with an attractive design. By bonding the window sash with the insulation glass pane (bonding inside) and replacing the steel reinforcement by glass fibre-reinforced plastic bars (powerdur inside) the metal-free window system has become a reality.

bonding inside + powerdur inside = **energeto®**

energeto® | the best window of its class

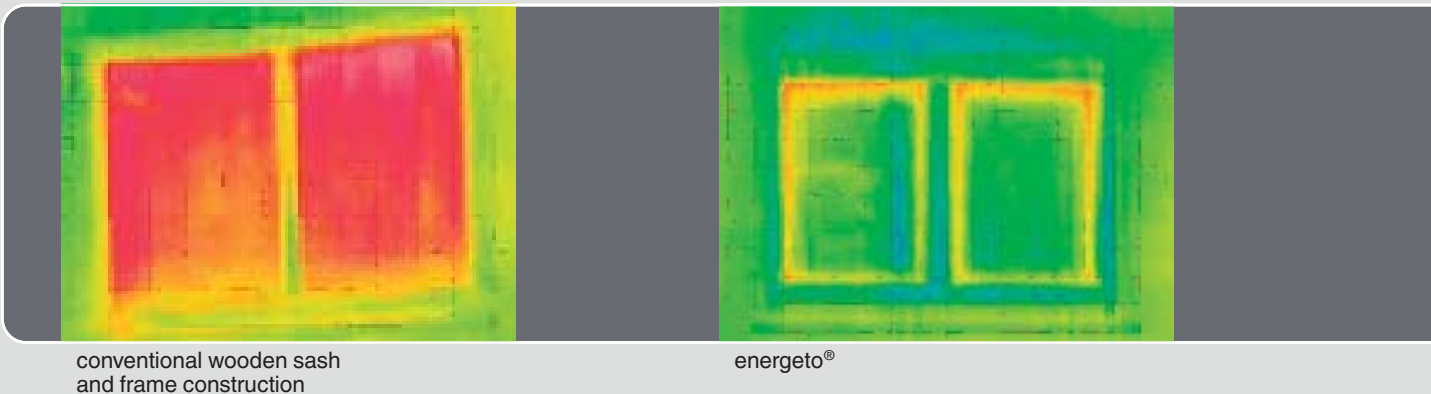
- suitable both for renovation (construction depth 70mm) and for new building segments (construction depth 85mm)
- already exceeds the requirements of the German Energy Conservation Regulations (EnEV)
- the sophisticated insides of frame and sash avoid metallic thermal bridges
- unique heat insulation values of up to $U_w = 0.61 \text{ W/m}^2\text{K}$
- convinces with its filigree and classical design
- impresses with unlimited safety confirmed by an official accreditation institute
- available in more than 40 decors
- 100% recyclable
- weatherproof plastic windows protect you against noise, weather and burglary



Inner values | safe costs

It is not the construction depth that is decisive for energy saving
– but the inner values that are crucial.

The developing of isotherms shows the notably improved thermal insulation quality:



With energeto® | you're ahead of your time in terms of energy saving

Let's see a sample calculation:

energeto®

$$U_W = 0.9 \text{ W/m}^2\text{K}$$

→ **savings/heating oil period*** compared to a window with insulation glazing (15-20 years of age with $U_W = 2.8 \text{ W/m}^2\text{K}$)

heating oil savings:	1,203 Liter
heating cost savings:	EUR 1,143.-
CO ₂ -savings:	3,249 kg/heating period

→ **savings/heating oil period*** compared to a window with single glazing (older than 30 years with $U_W = 5.2 \text{ W/m}^2\text{K}$)

heating oil savings:	2,723 Liter
heating cost savings:	EUR 2,587.-
CO ₂ -savings:	7,352 kg/heating period



Energy efficiency | as the concept of innovation

The sophisticated insides of frame and sash avoid metallic thermal bridges. Entirely free of foam inserts and special reinforcements that are thermally separated, it reaches outstanding insulation values and stability.

energeto® consequently offers best insulation values in combination with an outstanding construction, so that safety, sound insulation and design are equally respected.



energeto® 4000 |

Your benefits at a glance

- $U_f = 1.1 \text{ W/m}^2\text{K}$, while an U_w -value of up to $0.90 \text{ W/m}^2\text{K}$ can be realized by a common triple glazing.
- this top values result on the one hand from bonding the window sash with the glass pane and on the other hand from reinforcing the frame with especially developed PBT
- filigree and classical profile design for a light-flooded living area
- outstanding sound insulation up to German sound transmission class IV
- burglary resistance in the resistance class 2 according to German standard DIN V ENV 1627 : 1999



A new dimension | in window technology

energeto® is a backstop and centre gasket system with an construction depth of 70 mm and as such irreplaceable especially on the renovation market. Considering the renovation sector in particular, energeto® reaches unique values.
The system serials energeto® 4000 and energeto® 5000 convince with their filigree and slender profile that guarantees a higher light incidence in the living area with an unbeatable thermal insulation.



energeto® 5000 |

Your benefits at a glance

- $U_f = 1.0 \text{ W/m}^2\text{K}$, while an U_w -value of up to $0.88 \text{ W/m}^2\text{K}$ can be realized by a common triple glazing.
- this top values result on the one hand from bonding the window sash with the glass pane and on the other hand from reinforcing the frame with especially developed PBT
- filigree and classical profile design for a light-flooded living area
- outstanding sound insulation of up to German sound transmission class IV
- burglary resistance in the resistance class 2 according to German standard DIN V ENV 1627 : 1999
- available in numerous decor variations



Quality | made in Germany

energeto® 8000, with a construction depth of 85 mm, is designed especially for new building segments and convinces with top insulation values. The 85 mm-system – available in a Classic-line design – impresses with its clear and straight forms and an unprecedented U_f -value of $0.98 \text{ W/m}^2\text{K}$.

energeto® 8000 combines trendsetting technology with excellent energy efficiency. The outcome is a respectable one:

energeto® – the all-round carefree window!



energeto® 8000 |

Your benefits at a glance

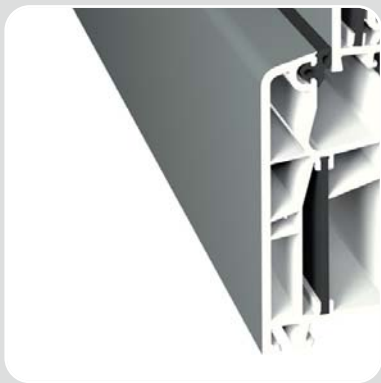
- $U_f = 0.98 \text{ W/m}^2\text{K}$, while an U_w -value of up to $0.80 \text{ W/m}^2\text{K}$ can be realized by a common triple glazing.
- this top values result on the one hand from bonding the window sash with the glass pane and on the other hand from reinforcing the frame with especially developed PBT
- filigree and classical profile design for a light-flooded living area
- outstanding sound insulation of up to German sound transmission class IV
- glazing thickness of up to 52 mm
- burglary resistance in the resistance class 2 according to German standard DIN V ENV 1627 : 1999
- available in numerous decor variations



energeto® | Colour range

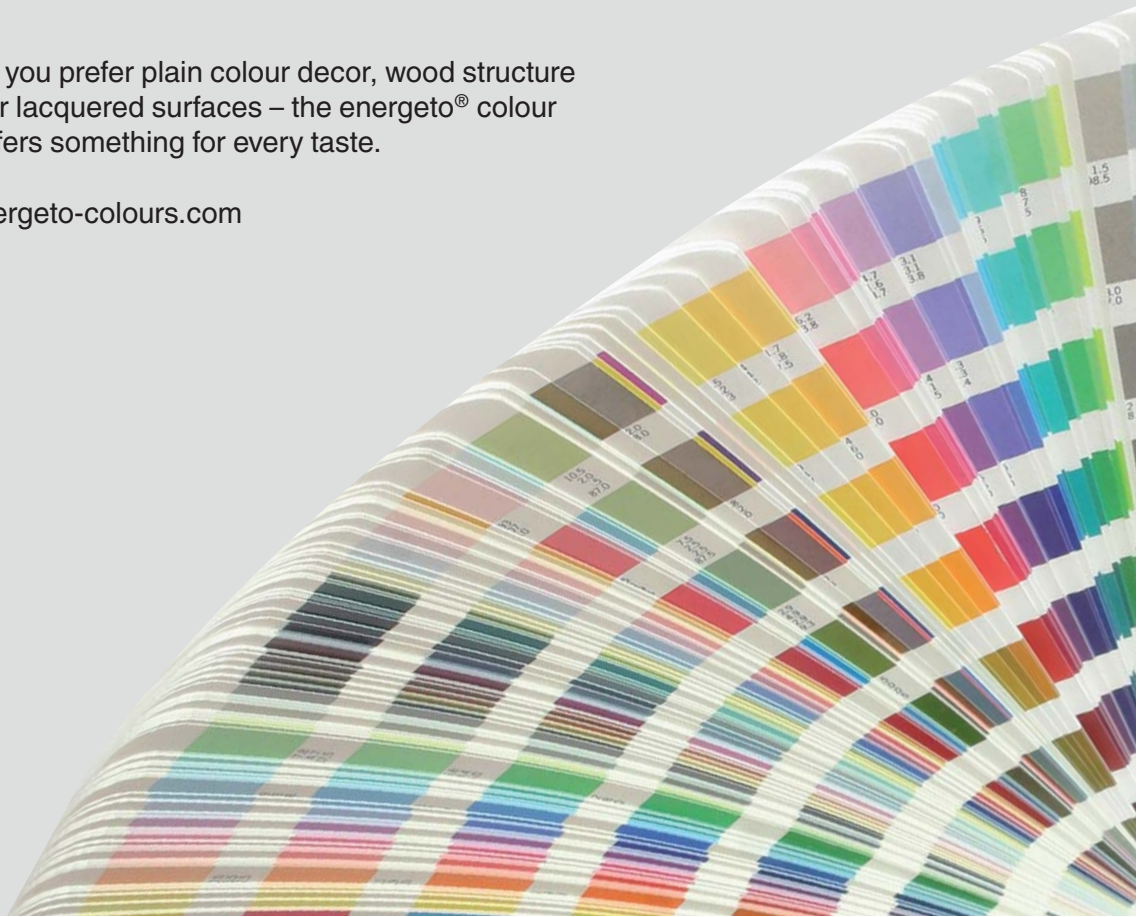
energeto® is available in more than 40 decor variations. Naturally, all colours feature the new cool-colors technology that sets new optical and technical standards. This technology guarantees considerably improved performance characteristics as well as a longer life span of the surfaces. The cool-colors decors are provided with patented special pigments that measurably reduce the surface temperature of laminated window systems. By this means, function and design are perfectly combined.

Aluminium clips complete the system serial. They are available for any variation and make higher element heights possible thanks to their special clip function.



Whether you prefer plain colour decor, wood structure design or lacquered surfaces – the energeto® colour range offers something for every taste.

www.energeto-colours.com



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