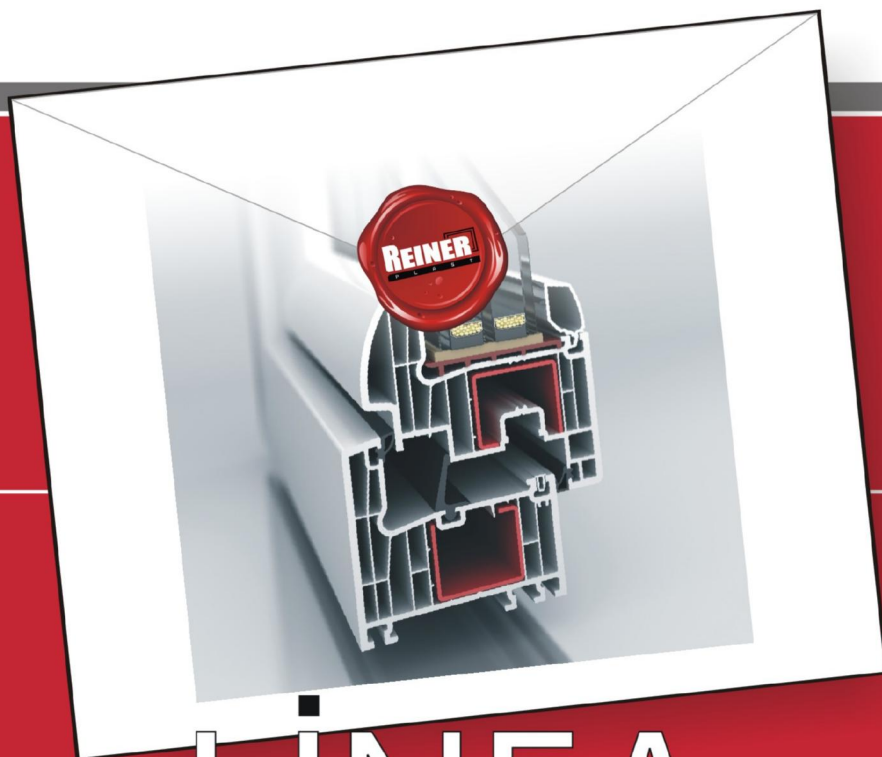




The optimal choice for Your Window



LINEA
OptimaTM
82 mm windows system

Saving energy with LINEA Optima

➔ Old windows lead to big energy losses. That is not necessary and costs a lot of money. It is different with the new modern energy saving profiles, heat insulating glass and correct gaskets.

➔ The U_w -Wert of the whole window shows what quantity of heat is going outside. It is the Faust rule: as low is the coefficient, as the efficiency is higher. Even with the standard glass, Linea Optima reaches better level of heat transmission, from these levels which are strongly recommended from (EnEV). These levels of isolation can be raised up with better isolation glass.



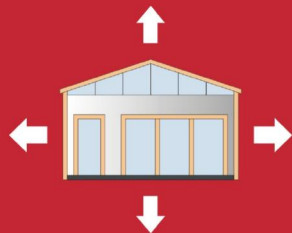
$U_g=0,5 \text{ W/m}^2\text{K}$

+

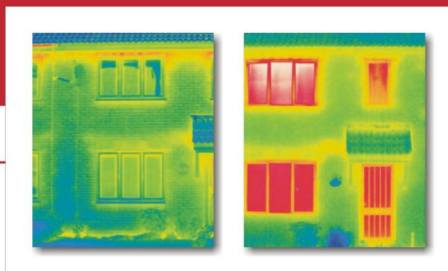
LINEA
Optima
82 mm windows system

=

U_w
0,75
 $\text{W/m}^2\text{K}$



➔ Every house loses energy from different ways. You can save up to 1/3 from the energy costs. Very easy with the new windows from Reiner Plast.



➔ As you can see from the warm picture, on the left side the temperature of the glass is lower from the right side. You lose minimum heat and in the same time you have higher comfort.



$U_g=1,0 \text{ W/m}^2\text{K}$

+

70 mm PVC window system

=

U_w
1,27
 $\text{W/m}^2\text{K}$



- ➔ Energy Efficiency of the windows becomes much more important . Therefore , Reiner Plast Ltd designed an innovative profile system Linea Optima which reaches all requirements of the modern windows.

- ➔ The Linea Optima system offers an optimal installation depth of 82mm, in order to reach all "Energieeinsparverordnung (EnEv)" norms for heat insulation. Besides, designing "Linea Optima", our engineers paid attention on its full recycling and maximum profitability. Being a perfect window system, Linea Optima is a high level quality product offering secure process in all situations using new technologies.



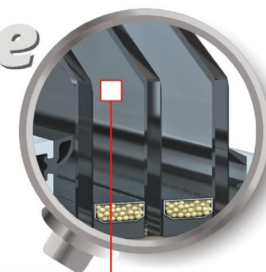
- ➔ Linea Optima forms an all-encompassing system platform that supports innovative fitting technologies, state-of-the-art glazing and modern surfaces.



Creative solutions for a sustainable future



- ➔ Deeper glass insertion
A pane window depth of 25 mm reduces thermal bridging



- ➔ Glazing wide 24-52 mm
glazing range

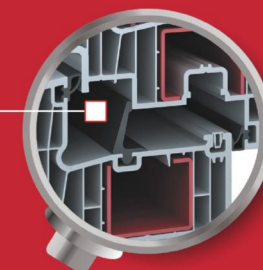
- ➔ Thermal insulation
Innovative multi chamber geometries provide insulation values of up to $U_f = 1,0 \text{ W/m}^2\text{K}$ using conventional steel reinforcements*



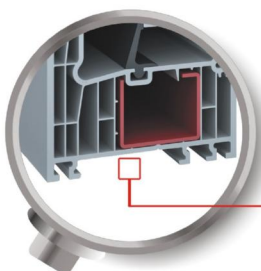
- ➔ Fittings compliant with DIN 18357
Quality-approved, system compatible fittings from all major manufacturers can be used.



- ➔ Modern design
Elegant design featuring gently rounded contours, minimizing visible surfaces.



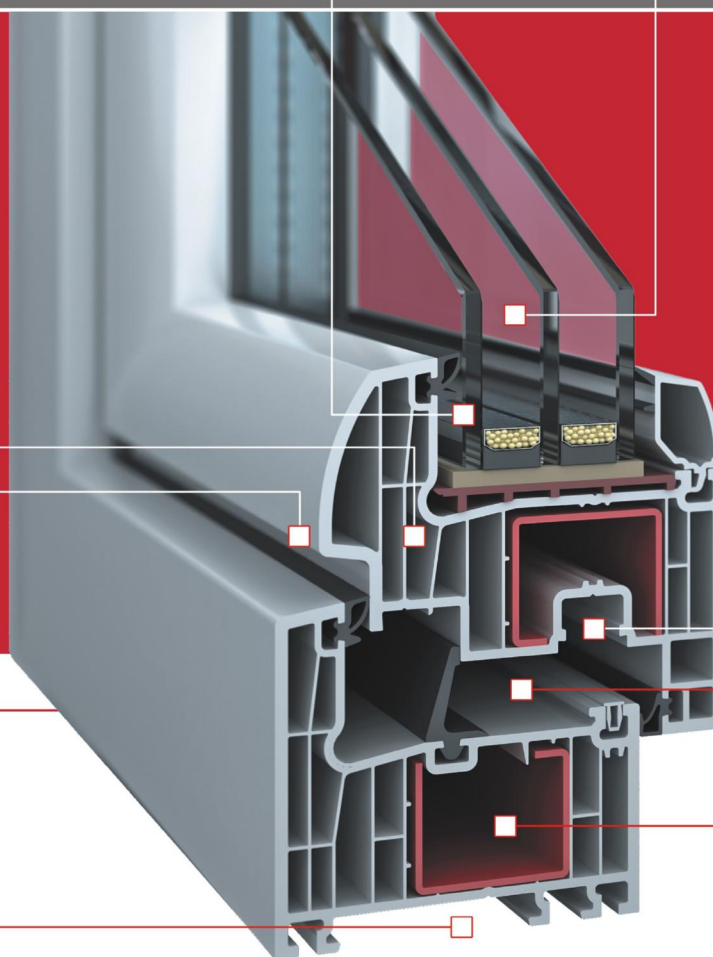
- ➔ Sealing system
The gaskets keep out noise, cold, damp and draught



- ➔ 82 mm standard installation
depth of frame, making it the ideal choice for new construction and refurbishment.



- ➔ Proven Reinforcement technology
For this system can be installed the same reinforcements in window frames and sashes.



*with glazing $U_g = 0,5 \text{ W/m}^2\text{K}$ and $\phi_g = 0,035 \text{ W/mK}$



- Show your individuality with weather resistant laminates in plain colours (smooth or grained) and natural wood grains or brushed metal look.

- Line of plain colours available for outside foiling are visually convincing of an elegant, velvety surface texture. Its touch is pleasant and it is also easy to clean.



- You have the choice between wood grain on the outside paired with a neutral white on the inside or wood grain both in and out. You can match your window to your interior equipment or to allow it





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