



Glazing options

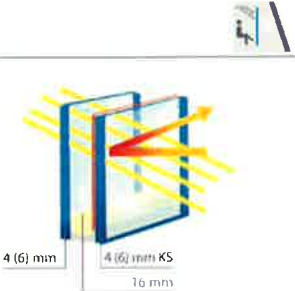
Today's glazing solutions offer an incredible potential to create environments that are comfortable, cost-effective and sustainable.

Signature Windows and Doors offer a range of glass units with performance characteristics that make it possible to specify the amount of sunlight, heat or sound that enters a room and how much heat remains. Energy efficient glass (LOW E) with metal oxide coating reflects 40% to 70% more heat into the room than clear glass, while allowing the full amount of light to pass through. Warm edge spacer bars may be added to improve thermal performance.

ENERGY SAVING GLASS UNITS

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

Low-E glass with non-toxic argon gas added offer a 20% improvement over regular insulated glass in reducing heat transmission. This means extra comfort and energy savings, also noting that 2/3 of all ultraviolet rays are blocked which protects the furniture and fabrics from fading.



SOLAR CONTROL

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

Solar control glass is used for reducing heat and/or light gain. There are several types of solar control glass:

- Reflective
- Solar Control
- Tinted

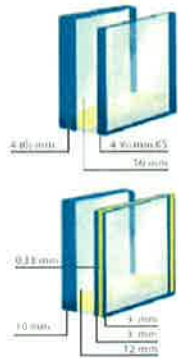


Image Courtesy of Megramo

Image Courtesy of Megramo



NOISE REDUCTION



There are two main ways to control the noise coming from the outside.

1. One thicker glass pane (6,8,10,12mm) and a wider space between glass panes.

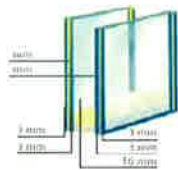
$$U \leq 1,0 \text{ W/m}^2$$

2. One thicker glass pane (6,8,10,12mm) and another of laminated glass (triplex).

$$U \leq 1,0 \text{ W/m}^2$$



SAFETY



Safety glass reduces the risk of personal injuries. Our safety glass units can be made of tempered and laminated glass.

For best use of safety glass we recommend a combination of the two types:

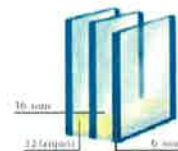


FIRE RESISTANT

A range of fire-resistant glass types is available offering increasing levels of protection, which is measured in defined time periods (30,60,90,120,180 minutes).



TRIPLE GLASS UNITS



In order to increase energy efficiency and noise reduction a triple pane glass unit can be used. We offer different triple glass units with argon filled cavities. Triple pane glass can reach U value of 0.5W/m2K

OBSCURE GLASS

You can choose not only the shape and the style of your windows and doors but also the glass texture obscure glass patterns give you both privacy and beauty whilst still allowing light into your home. We can produce reliable glass units from any of our available obscure glass samples.



Type Nr.1 (thickness 4 mm) Type Nr.2 (thickness 4 mm) Type Nr.3 (thickness 4 mm) Type Nr.4 (thickness 4 mm)



Type Nr.5 (thickness 4 mm) Type Nr.6 (thickness 4 mm) Type Nr.7 (thickness 4 mm) Type Nr.8 (thickness 4 mm)



Type Nr.9 (thickness 4 mm) Type Nr.10 (thickness 4 mm) Type Nr.11 (thickness 4 mm) Frosted glass (thickness 4 mm)

Type of Glass	Thickness (mm)
Clear glass	4, 6, 8, 10
Laminated glass	Two 3 mm (4 mm, 5 mm, 6 mm) peaces of glass, 0.38 mm film
Low-E glass KS	4, 6, 8, 10
Obscure glass	4
Fire resistant glass	6, 7 and more