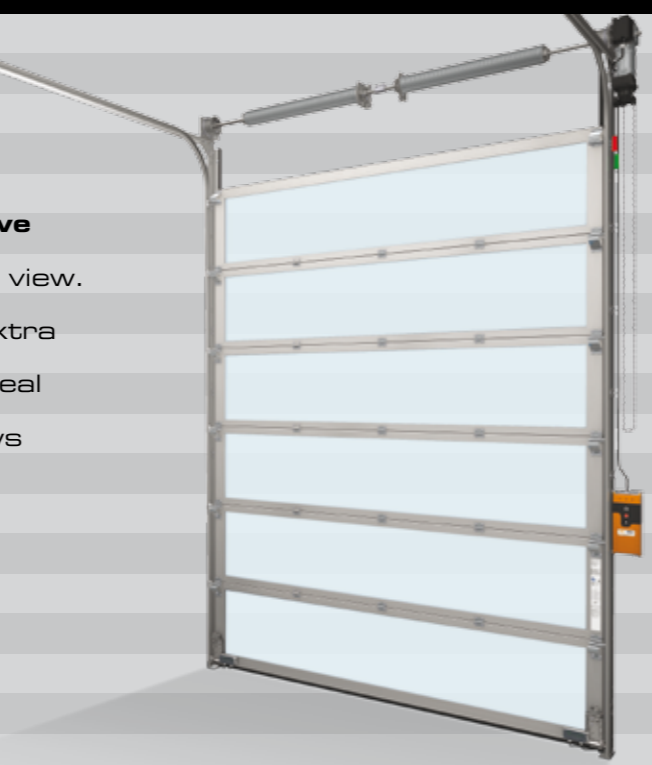




Panorama door 40 / 60 mm

Maximum transparency, Without vertical profiles

The Panorama door is an ALU door available in 40 mm or 60 mm versions. What makes the door so special is that panels **do not have vertical dividers**, providing a wide panoramic view. The high-quality Plexiglas is extra thick and extra strong, hardly distorts and it looks just like real glass. All these features result in the windows being naturally reflective and looking highly attractive.



ALU 40
Panorama door 40 mm
Double Plexiglas
Optical 20 mm
(4-12-4 mm)

U-value of the Panorama door 40:
4,000 x 4,000 mm:
3.87 W/m²K



ALU 60
Panorama door 60 mm
Triple Plexiglas
Optical 40 mm
(4-14.75-2.5-14.75-4 mm)

U-value of the Panoramic door 60:
4,000 x 4,000 mm:
2.36 W/m²K

Plexiglas Optical

The Panorama door is available in a maximum width of 4,000 mm and a maximum height of 4,500 mm. The Panorama doors look particularly good in buildings that are designed to be appealing, but are just as important where light and visibility matter. The special thing about the high-quality Plexiglas Optical is that it looks just like real glass but has the added safety of plastic. The Plexiglas Optical windows are available in 20 mm double glazing and in 40 mm triple glazing.



Highest scratch-resistance
– Therefore that you do not lose the vista

Interior view ALU 40 mm / ALU 60 mm



Section connection

The sections of an ALU 40 door are specially sealed to make them completely wind and waterproof using an EPDM rubber door seal.



Aluminium glazing beads

Aluminium glazing beads stay perfectly sealed and retain their high-quality appearance, even in wide temperature fluctuations.



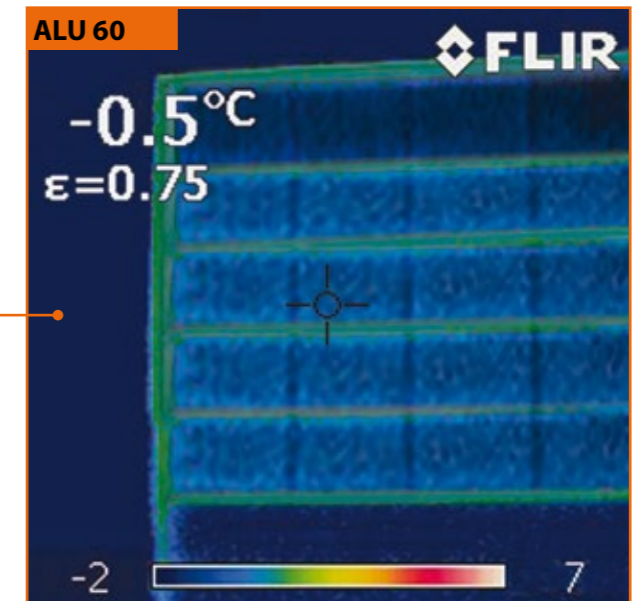
Wind load

Depending on the width, the ALU sectional door is fitted with integrated single-piece reinforcement profiles. Thanks to the reinforcement profiles, the door is able to withstand a heavy wind load. Depending on the door configuration chosen, we use thicker and/or longer profiles. For a door of 4,200 mm and wider, every other panel has a profile, while for a door of 5,000 mm and wider, each section has a reinforcement profile.

Condensation

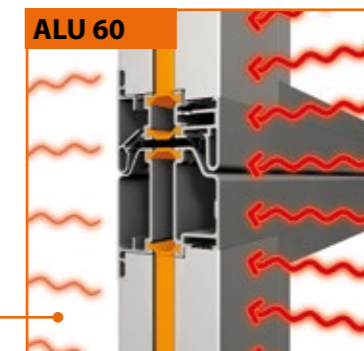
Condensation will soon appear on the inside of a standard ALU 40 door at low outdoor temperatures and a high indoor atmospheric humidity. This is because condensation forms on the coldest surface in the room, which is the door.

If you wish to stop condensation forming on your doors, the ALU 60 door is the one for you. Condensation will never be an issue – even if indoor humidity levels are high – thanks to the fact that the door is equipped with special insulation profiles.



Infrared imaging

The ALU 60 guarantees you a very high insulative value. We check this feature by taking infrared images of the assembled doors. Any light spots indicate where energy loss occurs, while the dark regions are well-insulated.



Section seals

The sections of the ALU 60 door are specially sealed to make them completely wind and waterproof. Any heat transmission is prevented by the special insulation profiles.



Triple synthetic glazing

The ALU 60 door is fitted with triple glazing as a standard for additional insulation. The windows are fitted in thermally separated insulation profiles. Double synthetic glazing is also available, although that means the insulative value will be lower.



ALU 40/60 window frames

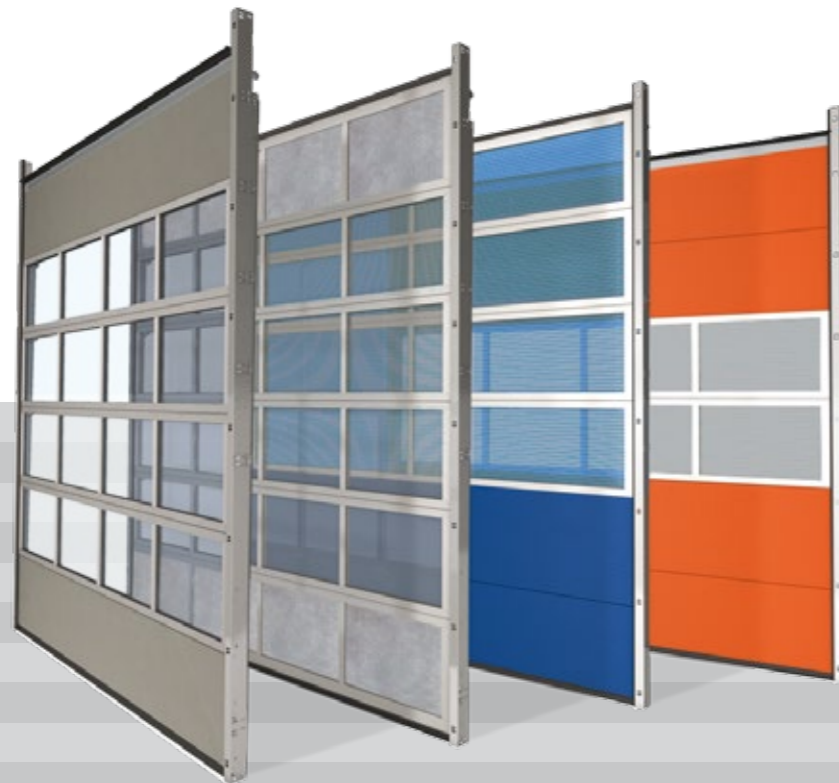
Aluminium glazing beads

Alpha is one of the few companies to always use anodised aluminium glazing beads. You will often see windows fixed in place using a black plastic bead, which is not only less attractive and less durable, but also has a different coefficient of expansion than aluminium. If it is warm outside, the plastic is more likely to expand, resulting in bulging glazing beads, which will not happen with our aluminium glazing beads. Another advantage is that our glazing beads are available in any colour you wish.



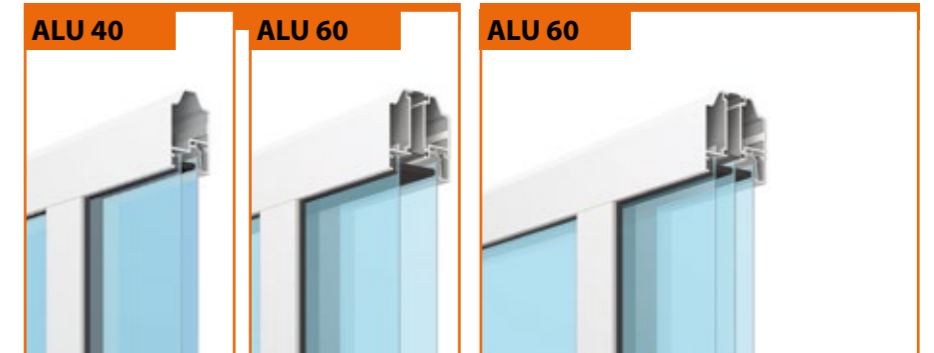
Different options

Alpha offers limitless choices in glazing for ALU doors. Windows of various levels of quality, colours, degrees of transparency and styles are available, giving architects all the room they need to get creative with the design of your ALU doors. Choose from single-plate acrylic or 4 mm tempered glass, double-plate acrylic windows or structural glass, or from perforated single panels or high-impact plastic. The possibilities are endless.



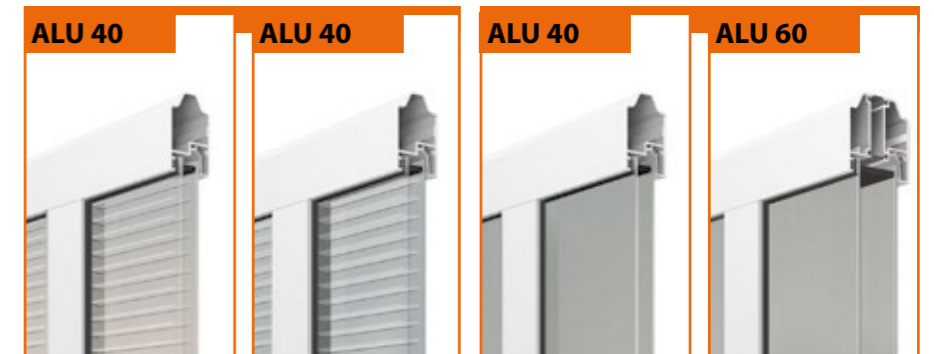
Combining colours

The standard ALU door comes in white anodised aluminium. This does not mean that there are no alternative colour options. We can spray-paint the aluminium in any colour you wish. And by combining the aluminium with Rodeca glazing or ISO panels in one of the 10 colours from Alpha's in-house range, the design options are limitless.



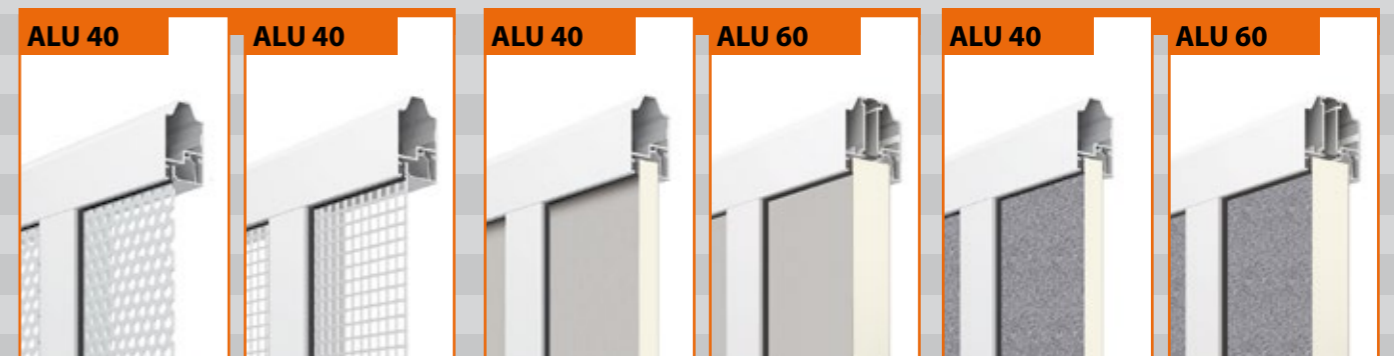
Double-glazed transparent plate
 (20 mm) in: acrylic, polycarbonate, Plexiglas Optical (light transmittance 100%)
 (40 mm) in: acrylic, polycarbonate, Plexiglas Optical (light transmittance 100%)

Triple glazing transparent plate
 (40 mm) in: Plexiglas Optical (light transmittance 100%)



5-core polycarbonate hollow-core plate
 (20 mm) transparent (light transmittance 63%)
 (20 mm) grey (light transmittance 42%)

Double-glazed partially transparent plate
 (20 mm) in: structural glass (SAN) (light transmittance 80%)
 (40 mm) in: structural glass (SAN) (light transmittance 80%)



Single-walled perforated ALU plate
 (2 mm) round perforation (air transmittance 40%)
 (2 mm) square perforation (air transmittance 70%)

Double-wall closed sandwich version
 (20 mm), smooth plate on the outside and plaster on the inside
 (40 mm), smooth plate on the outside and plaster on the inside

Double-wall closed sandwich version
 (20 mm), plaster on the inside and outside
 (40 mm), plaster on the inside and outside