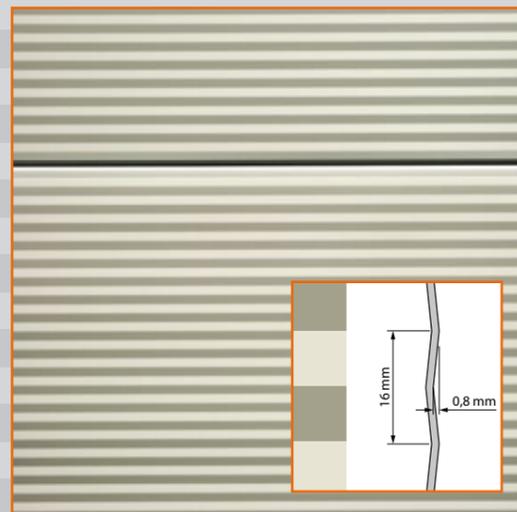




ISO 40 mm

Alpha's all-rounder

The ISO 40 mm sectional door is Alpha's most popular door, a modern design that unifies excellent thermal insulation and sound absorbing qualities in its micro-profiled panels. The choice of design and materials are endless, which means the door can always be perfectly configured to meet your wishes. Numerous types of built-in windows as well as different heights and widths make up the ISO 40 mm range, as well as a variety of 12 standard Alpha's in-house RAL colours.



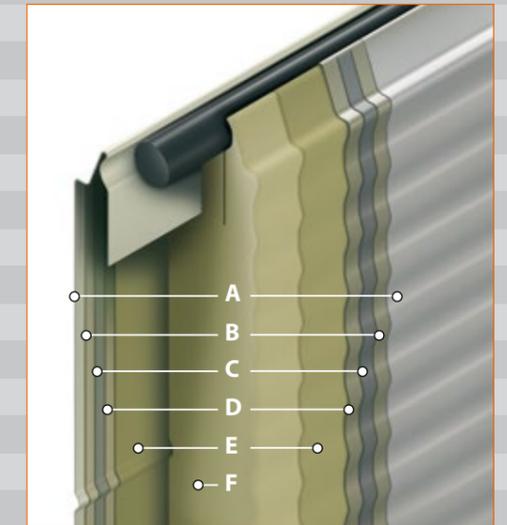
Micro-profiling, it's the standard! 12 Standard colours without any extra charge



U-value ISO 40 mm sectional door: 5,000 x 5,000 mm: 1.02 W/m2K

Sandwich-construction ISO 40 mm panel

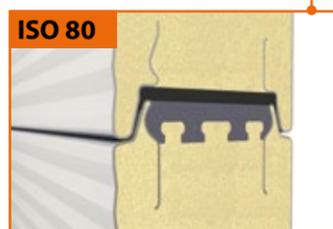
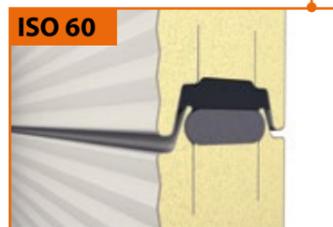
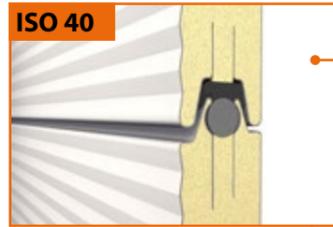
Panel thickness: 40 mm
 Insulation value: $U=0.52 \text{ W/m}^2\text{K}$
 Density PU foam: 40 kg/m^3



- A Paint layer: 12 standard colours (outside)
 - B Zinc coating: 275 g/m^2
 - C Steel sheet: 0.5 mm
 - D Zinc coating: 275 g/m^2
 - E Primer coating
 - F PU high density foam: $\rho=40 \text{ kg/m}^3$, and HCFC-free
- E Primer coating
 - D Zinc coating: 275 g/m^2
 - C Steel sheet 0.5 mm
 - B Zinc coating: 275 g/m^2
 - A Paint layer: RAL 9002 (inside)

Flexibility is everything

ISO 40 mm sectional doors are designed and manufactured using the very latest technology. Their finish is robust and detailed, as demonstrated by the metal or aluminium end caps, the reinforcement profiles and the anodized aluminium sub-profiles, which cannot be seen from the outside. Flexibility is everything in the manufacturing process, and it is a true all-rounder that perfectly combines price, performance and application options.



Panel seal

The panels of the ISO 40/60/80 door are specially sealed to make them completely wind and waterproof using Compriband, a polyurethane sealing strip that is attached between the panels. Additionally, the ISO 40/60 doors are fully insulated, because the inner and outer door panels are not attached to each other.



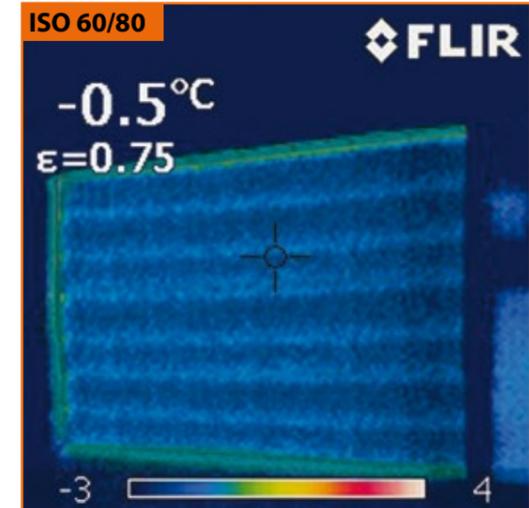
Standard frame

The standard frame between the door and the vertical railing ensures that the sides of the door seal properly.



Heavy-duty frame

We use this type of frame for doors with a dark colour. Due to the heat of the sun, the door may expand in the middle against the upper lintel. The heavy-duty frame prevents this from happening.



Infrared imaging

The ISO 60 mm and ISO 80 mm sectional door insulates even more effectively than the ISO 40 mm door. 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.



Wind load

Depending on the width of the door, Alpha will install reinforcing profiles on the door. Thanks to these, the door is able to withstand a heavy wind load, in accordance with the applicable rules and standards. At a door width from 4200 mm (ALU 40) / 5000 mm (ALU 60) each second panel has a profile. With a door width from 5000 mm (ALU 40) / 5800 mm (ALU 60), each section has a reinforcement profile.



The interior

The interior of the ISO 40 mm and ISO 60 mm sectional door is horizontally profiled, the ISO 80 sectional door is stucco profiled and is coated in RAL 9002 as a standard. Other colours are available on request at an additional cost.