

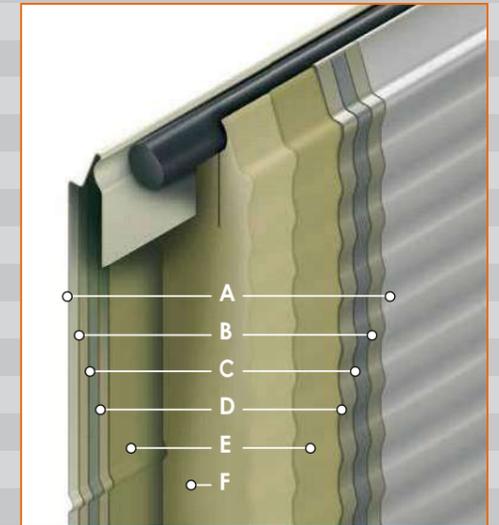


ISO 40 mm



Sandwich-construction ISO 40 mm panel

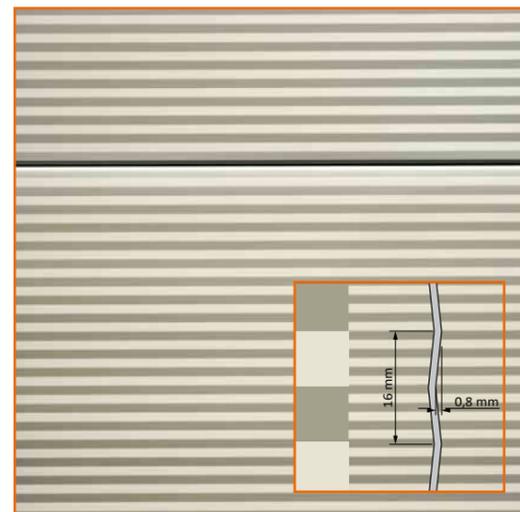
Panel thickness:	40 mm
Thermal conductivity:	$\lambda=0,025 \text{ W/mK}$
Insulation value:	$U=0,52 \text{ W/m}^2\text{K}$
Density PU foam:	40 kg/m ³



A Paint layer:	10 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:	g=40 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)

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 10 standard Alpha's in-house RAL colours.



Micro-profiling, it's the standard! 10 Standard colours without any extra charge

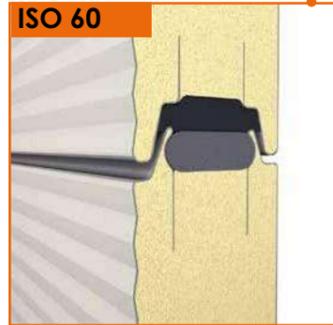
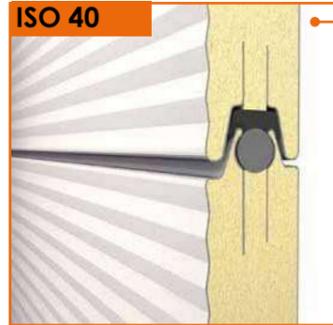


U-value ISO 40 mm sectional door: 5,000 x 5,000 mm: 1.05 W/m²

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.

Interior view ISO 40 mm



Panel seal

The panels of the ISO 40/60 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.

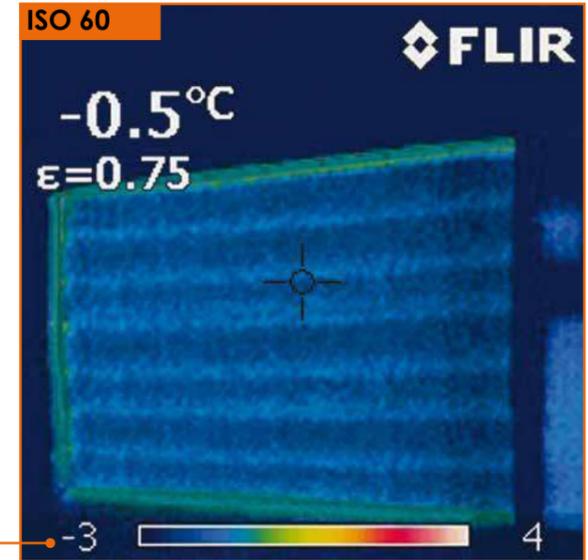


the door and the vertical railing ensures that the sides of the door seal properly.



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 heavy-duty frame prevents this from



Infrared imaging

The ISO 60 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.



The interior

The interior of the ISO 40 mm and ISO 60 mm sectional door is horizontally profiled and is coated. Colours are available on request at an additional cost.

Alpha provides 10 standard colours (no extra charge)

Thanks to Alpha, architects can now indulge in design and colour variations. The optical properties of the microprofiled sheet plate makes the doors perfectly suited to modern industrial architecture.

Alpha's in-house range offers 20 common RAL colours to give each door its very own personality— at no extra cost. Thanks to this selection of colourfast coil coatings, the doors can always be seamlessly integrated into your company's look.

Do you have special requirements when it comes to the colour? Alpha can offer you a whole rainbow of colours.



RAL 3000



RAL 5010



RAL 6009



RAL 7005



RAL 7016



RAL 8014



RAL 9002



RAL 9006



RAL 9007



RAL 9010

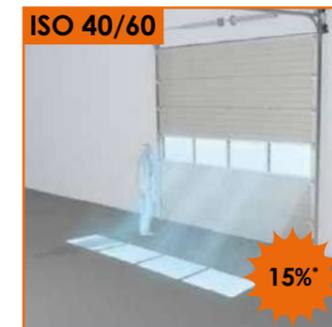
The purpose of windows

ISO sectional doors can be fitted with Plexiglas windows for increased natural light and improved visibility. The standard windows are oblong, with straight or rounded corners containing single or insulating double glazing.

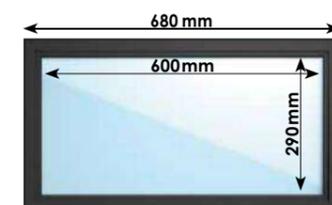
For additional security against intruders, narrow rectangular windows with rounded corners are also available. Are you looking for a one-of-a-kind design? Then go for the rounded windows or a creative pattern made up of windows.



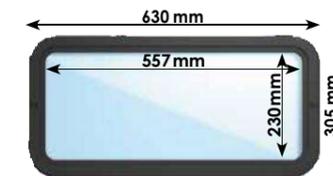
% The light yield of the various windows



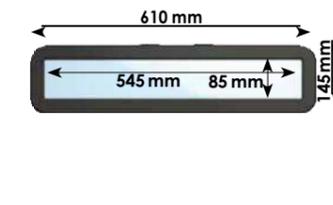
Lots of light and great visibility



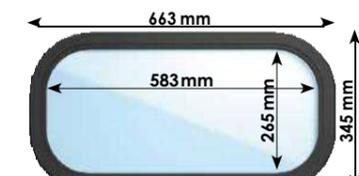
Straight corners, excellent insulative value



Rounded corners (r=60 mm), excellent insulative value



Narrow, burglar-proof windows



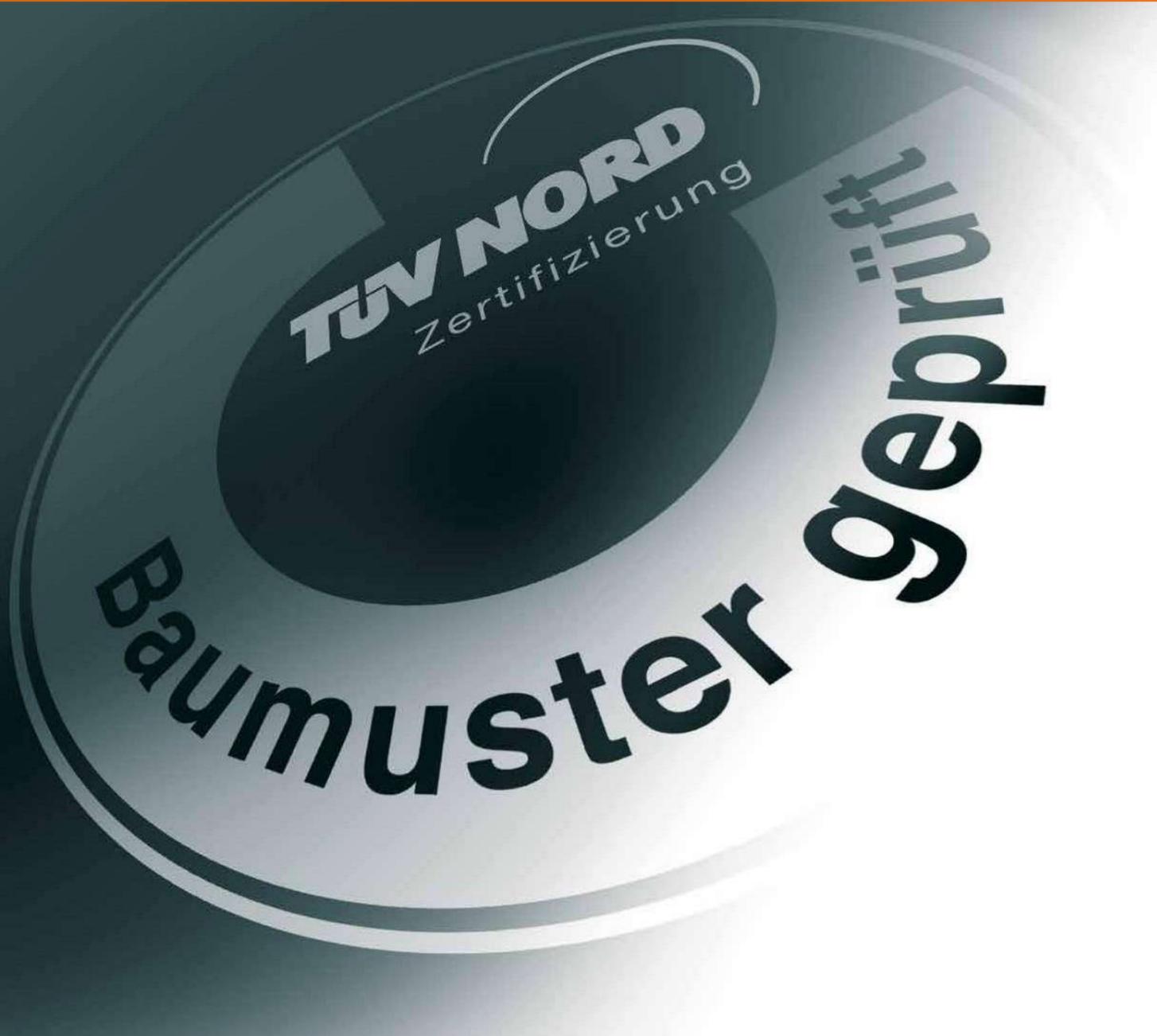
Rounded corners (r=100 mm), excellent insulative value



Attractive round windows

The benchmark for sectional doors

Intensively tested and checked



Safety certified

Alpha products are subject to constant and intensive durability tests. In these tests, the prototypes open and close 30,000 times, after which they are assessed by experts. This constant attention to quality and safety has borne fruit, and our sectional doors and their physical qualities are fully EN13241-1 compliant and are integrally TÜV Nord certified.

Physical qualities

Numerous mechanical and electronic qualities of the Alpha sectional doors are checked during the thorough tests. These tests, performed by TÜV Nord, the stringent German certification and inspection body, mean that each tested physical quality receives its own classification, making it easier to compare similar products from different manufacturers.

Assessment criteria

Alpha sectional doors are tested for:



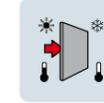
■ Resistance and wind load



■ Sound absorption



■ Waterproofness



■ Heat insulation



■ Air permeability



■ User safety

