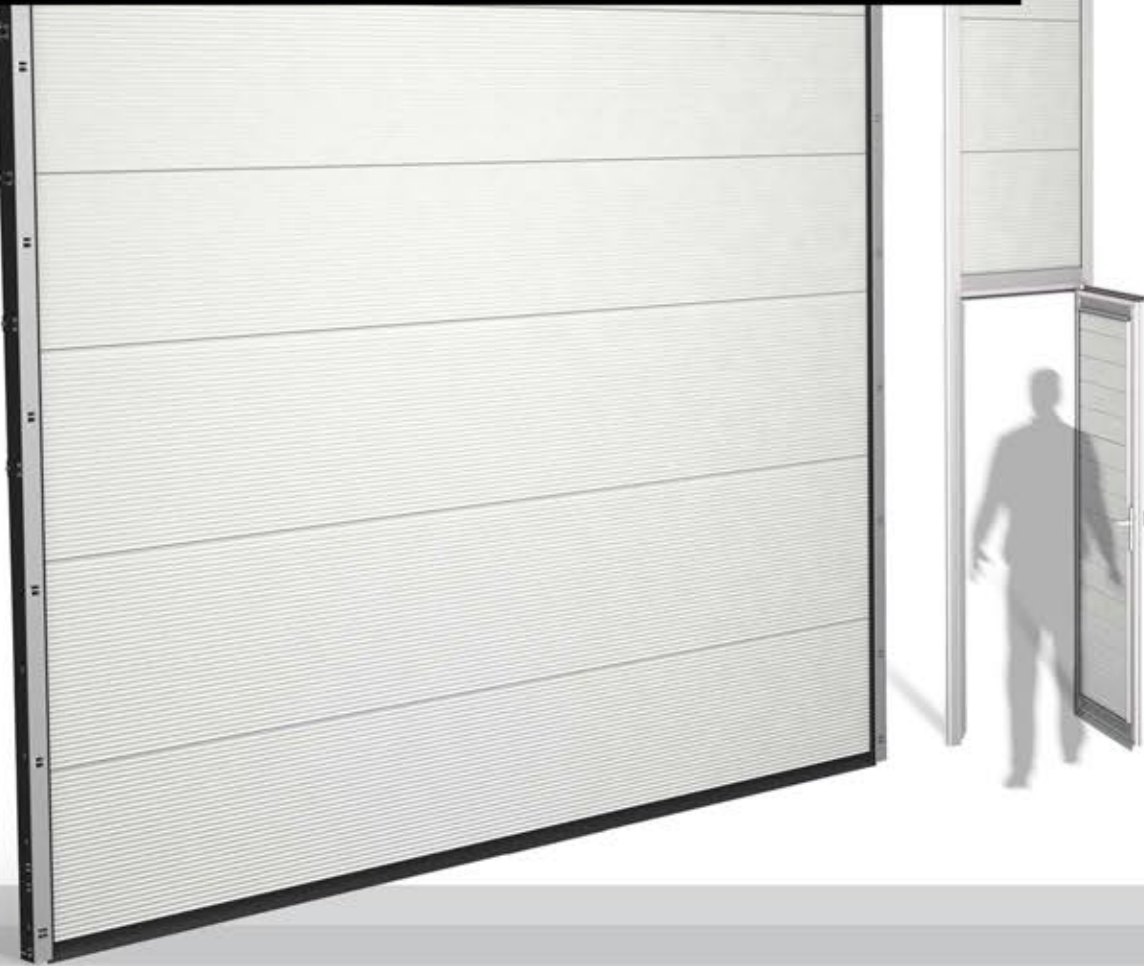


Wicket doors

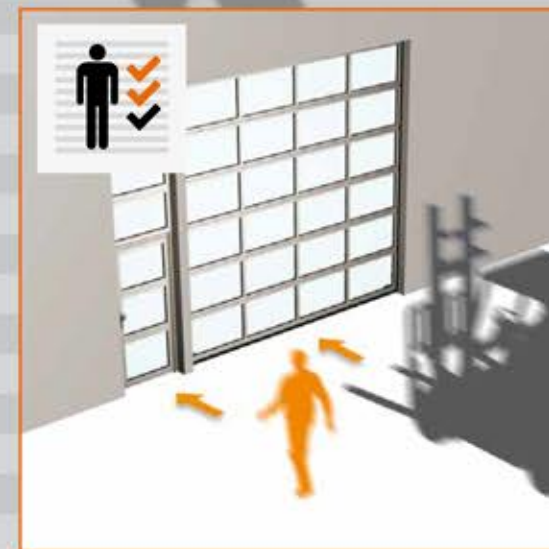
For keeping people and goods apart



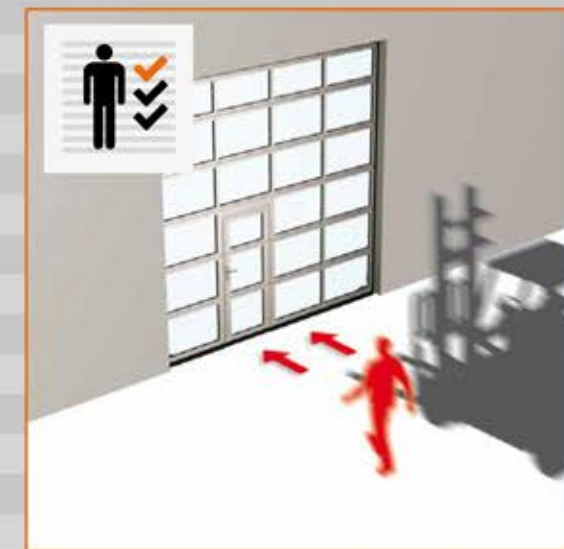
While a wicket door can be built into an ALU or ISO Alpha door, we recommend that wherever possible pedestrian traffic and goods traffic be kept apart. In other words, a permanent wicket door in the façade, separate from the sectional door, or a permanent wicket door next to the sectional door. The wicket door can be built into the sectional door, but this may affect the door's stability. It also presents limitations in terms of the door's width, height and threshold height, as a result of which the gate may not meet the current legal requirements for an emergency exit. Always discuss your plans with the local authorities so you can be sure you're choosing the right wicket door.



Completely separate doors for pedestrians and goods.



Separate doors for pedestrians and goods, but in the same opening structure.



Wicket door for people built into a sectional door for goods.

Permanent wicket door next to the sectional door

The advantage of a permanent wicket door is that the doors for pedestrians and goods are completely separate. This increases safety, ease-of-use and the stability of the sectional door. A permanent wicket door is installed in the façade next to the sectional door, where the design and panel structure of the wicket door and top panel match the structure of the sectional door, unifying them and making them both architecturally and aesthetically pleasing.

Choose the right door

A permanent wicket door can open both inwards and outwards and you can choose between a left-hinged DIN standard door or a right-hinged DIN standard door. If the wicket door is also to be used as an emergency exit, the door must open outwards.

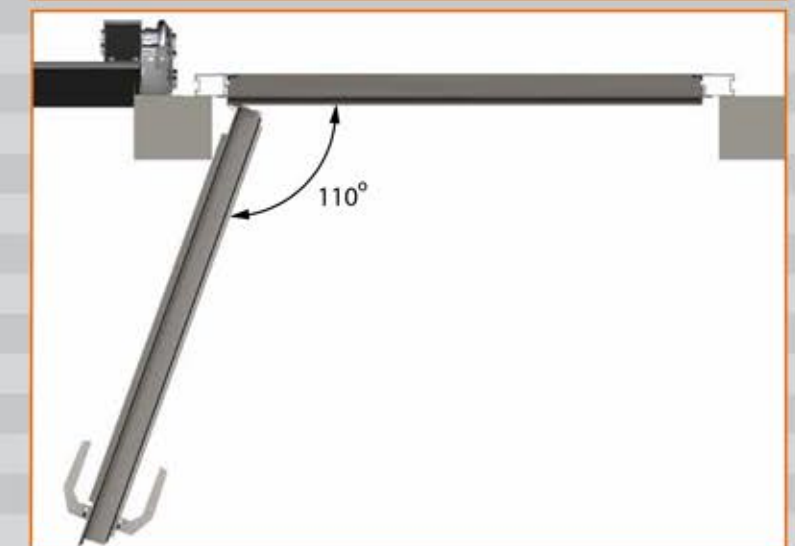
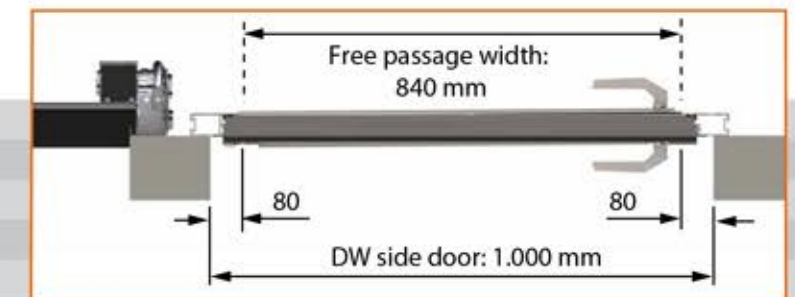


Installation onto or in the opening

A sectional door is always built against the interior side of the opening, so if you wish to install a permanent door in the same façade, Alpha will likewise always install it behind the opening. This has two advantages: firstly the doors are aligned, and secondly the width of the wicket door is 840 mm ($1000 + 50 - 210 = 840$ mm) for a 1,000 mm opening.

The first aspect is aesthetically pleasing, while the second means a gain of 60 mm compared to when it is installed in the actual opening.

If the wicket doorway is installed in the opening itself, the wicket door will stand forward from the sectional door and its width will only be 780 mm ($1000 - 10 - 210 = 780$ mm) in the same 1,000 mm opening.



Wicket door built into the sectional door

If you cannot install a permanent wicket door in the façade of your building, Alpha can build a wicket door into the sectional door. We offer various options for this, all of which meet the very highest structural, aesthetic and safety requirements. The built-in wicket door has a sophisticated integrated hinge system, an accurately-aligned locking system with stabilising pins and an integrated safety switch. Three choices are available for the threshold height: 15, 95 and 185 mm.

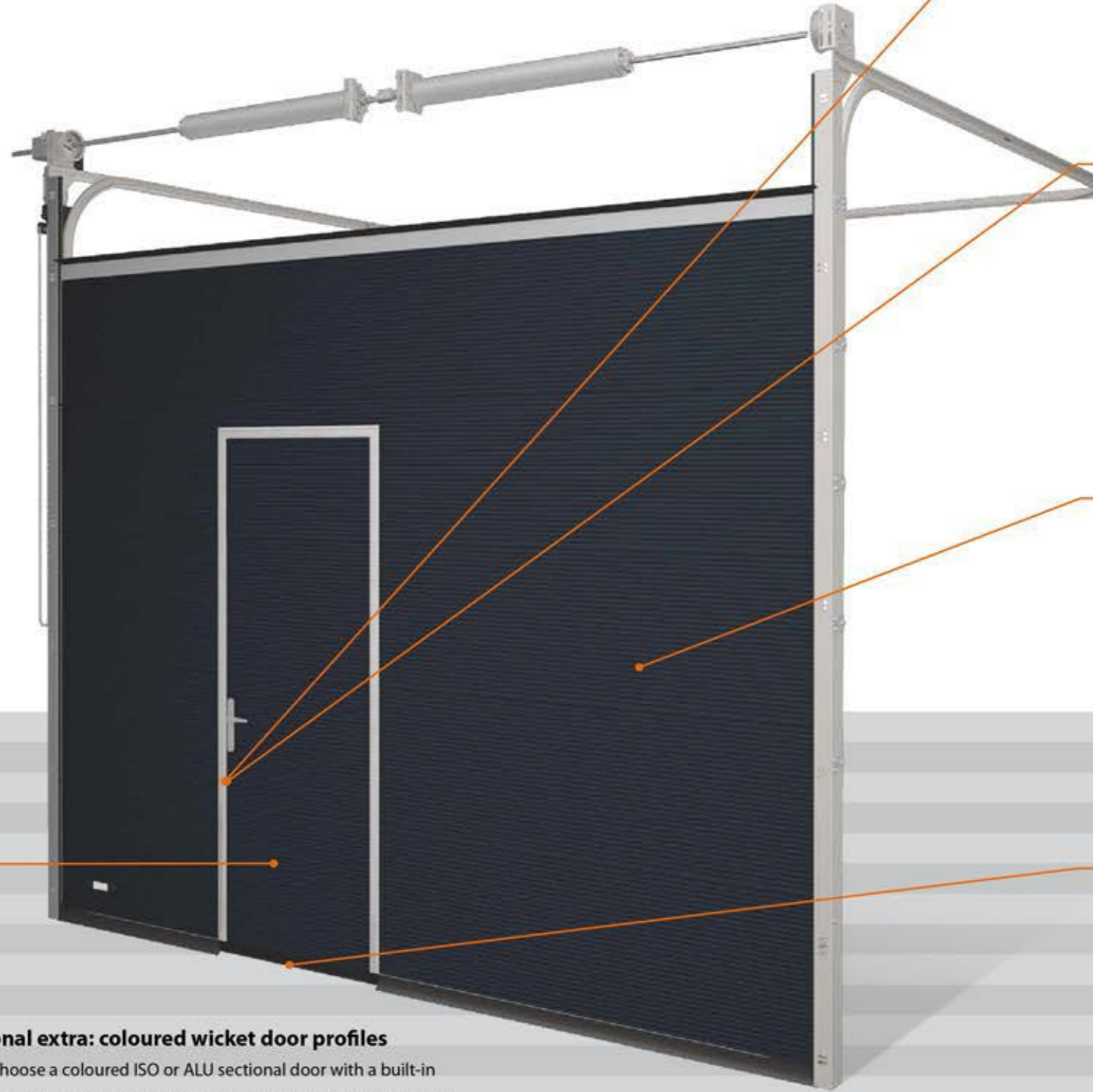


Aesthetically appealing wicket door

Alpha recently made significant improvements to its wicket door design, the main one being the integration of the hinge system into the sectional door. This means the fastenings are no longer visible on the exterior and the standard ALU wicket door profiles do not protrude as much.

Optional extra: coloured wicket door profiles

If you choose a coloured ISO or ALU sectional door with a built-in wicket door, the wicket door profiles do not have to have the same colour as the door. This option is up to you, and while some people prefer a clearly visible wicket door, others like theirs to be less conspicuous. Alpha offers you both options.



Integrated wicket door switch

The wicket door switch, which is fitted under the safety catch, is an integrated safety device that prevents the sectional door from being operated when the wicket door is open.



Stabilising pins

The wicket door is held in perfect position by the stabilising pins. This means that the door will never "droop". The pins also create a more effective seal between the wicket door and the door. The magnetic contact of the wicket door switch is fitted beneath the pin.



Divider

A wicket door can never be positioned in the outermost parts of a sectional door, as this would affect its stability. The picture shows where the door can and cannot be installed. Wicket doors can be installed in sectional doors with a maximum door panel width of 6,000 mm. If you have a wider door, you will have to consider alternative options.



15 mm threshold

To prevent the risk of tripping when evacuating the building, Alpha has created a very low 15 mm threshold. Such a low threshold meets every national directive on emergency exits in the EU.



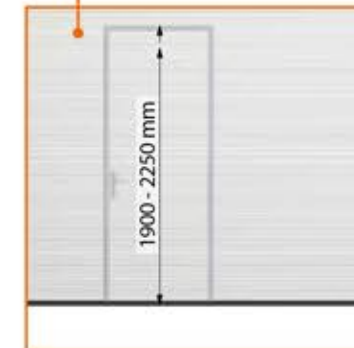
Integrated wicket door as an emergency exit

If you intend to use the built-in wicket door as an emergency exit, talk to the local authorities first and enquire about the regulations. The authorities stipulate the conditions that the wicket door must meet, depending on the number of people working or otherwise present in the building. As a rule, four aspects determine whether a wicket door is suitable as an emergency exit: the type of lock, the door width, the door height and the threshold height. Lastly, an integrated wicket door must always open outwards, as is required for any door that serves as an emergency exit.



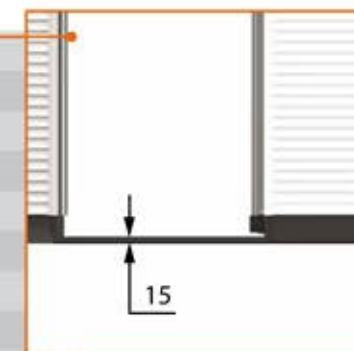
Panic lock

A wicket door that is to function as an emergency exit must be fitted with a panic lock. Various types of panic locks are available – see page 61 for more information. A wicket door with a panic lock can always be opened using the latch on the inside, even when the deadbolt is secured.



Door width and height

The legislative and inspection bodies stipulate that a wicket door which is to serve as an emergency exit must be of a minimum width and height, according to local or national regulations. The maximum width of an integrated wicket door is 1,000 mm and the maximum height is 2,250 mm. Talk to your local authorities if your wicket door is to serve as an emergency exit.



15 mm threshold

To prevent the risk of tripping during escape, Alpha has developed a low threshold height of 15 mm. A threshold of this height meets every national guideline on escape routes within the EU.



Wicket door accessories and options

Alpha invests heavily in creating options for the optimum integration of wicket doors into sectional doors. One of the main areas of attention is safety and ease-of-use, with special consideration given to making hinges, switches, security locks and locks as aesthetically pleasing as possible. We would also be happy to provide you with detailed individual advice on the available options for threshold heights, the direction in which the door opens, its dimensions and its position.



Coloured wicket door profiles

If you choose a coloured ISO or ALU sectional door with a built-in wicket door, the wicket door profiles do not have to be the same colour as the door. This is a matter of personal preference, and while some people prefer a clearly visible wicket door, others like theirs to be less conspicuous. Alpha offers you both options.



Additional security locks

For added safety, you can have two extra security locks fitted to the top and bottom sections of the wicket door. The same key can be used for all cylinder locks. The additional security locks have handles, so they can be opened without a key.

The Alpha wicket door lock range comprises six locks: two standard locks and four panic locks (if the wicket door also functions as an emergency exit).

Standard locks

- Lock with a handle on either side ■
- Lock with a fixed panel on the outside and a handle on the inside ■

Panic locks

- Panic lock with a fixed door panel on the outside and a handle on the inside (panic function E) ■
 - Panic lock with a handle on either side (split tumbler, panic function B) ■
 - Panic lock with a fixed panel on the outside and push bar on the inside (panic function E) ■
 - Panic lock with a handle on the outside (split tumbler) and push bar on the inside (panic function B) ■
- Depending on the situation, the fire brigade may stipulate that panic locks be installed.



Panic lock, with panic function E

With the type E panic lock, the door can always be locked with a key from inside. When the interior handle is turned, the latch and deadbolt are simultaneously retracted into the lock. The panic release function can only be used when there is no key in the cylinder. The latch and deadbolt can only be opened from outside with a key. The deadbolt stays in the lock after the panic function has been used. Use this lock if the wicket door is to serve as an emergency exit, but not as an entrance during the day.



Panic lock, with panic function B

The type B panic lock is operated from inside in the same way as the type E panic lock, but there is a handle on the outside that can be locked and unlocked. This means that, if required, the door can serve as an entrance during the day. The lock works as follows: the wicket door can always be locked and unlocked from the outside with a key; when the deadbolt is locked using the key, the exterior handle will disengage and nothing will happen when it is turned. The exterior handle will remain disengaged even when the panic function has been used and the deadbolt has been retracted into the lock. The night bolt stays in the lock after the panic function has been used. The lock can only be used with the exterior handle when the key is inserted into the cylinder, which re-engages the exterior handle.

