

Full Specifications of Fire Doors

- ✓ Tested according to EN 1634-1 & UL 10c standards
- ✓ Certification for 60, 90 and 120 minutes fire rating.
- ✓ Produced in both standard and customer-specific sizes.
- ✓ Constantly stocked on standard sizes (quick delivery in standard sizes)
Standard sizes (wall opening dimensions)
 - 900 x 2050 mm / 1000 x 2050 mm
 - 900 x 2100 mm / 1000 x 2100 mm
 - 900 x 2150 mm / 1000 x 2150 mm
- ✓ Doors of heights 2050/2100/2150 mm are reversible (Left&Right)
This possibility eliminates the directional mistakes made in the construction work sites, moreover the ordering process is faster and much more practical.
- ✓ The doors are coated with electrostatic powder coating process in our modern robotic coating line.
- ✓ The standard color is RAL 9002, however any requested RAL color can be applied.***
- ✓ The door frame and the door leaf can be coated in different RAL colors.
- ✓ The interior and exterior of the door leaf can also be coated in different colors.***
- ✓ Door leaf has 63 mm thickness and produced from 0.80 mm thick galvanised steel.
- ✓ Door frame is produced from 1.50 mm galvanized steel.
- ✓ Galvanized steel is used in the production of door frames and door leaves therefore the doors are highly enduring to corrosion.
- ✓ The galvanized steel has a special surface suitable for electrostatic powder coating.
- ✓ Due to its unique sectional design, the door frame and door leaf are very rigid.
- ✓ High-quality thermo expanding (intumescent) seal on the frame.
- ✓ Weather seal slots are present on the door frame. Depending on the customer demands, air and sound insulating seals are also provided. (optional) ***
- ✓ The doors are equipped with heavy-duty hinges with ball bearing (one).
- ✓ One of the hinges is self-closing (spring hinge). This hinge keep the door constantly closed.
- ✓ There are two safety bolts per leaf on the hinge side.
- ✓ Coordinator can be installed to the double winged doors in order for the door leaves to close in coordination. (optional) ***
- ✓ Each door frame is installed using 10 universal dowels directly to the wall. There is no need for extra metal profile frames which yields cost advantage. Delivery of dowels are optional.***
- ✓ By the use of floor mounting brackets (specially developed based on experience) the vertical frame profiles can be fixed to the floor. This creates a rigid connection between the door frame and the construction structure. As a result, problems such as twisting of the bottom part of the frame do not arise in the following periods.

- ✓ **Supporting plates** are present inside the door leaves for installation of optional equipment. (e.g. door closer)
- ✓ **Door frames are designed in 3 disassembled pieces.** The installation of these 3 pieces is very practical (as practical as the assembly of Lego pieces). The disassembled design of door frames yields serious **shipping advantage**.
- ✓ **All door leaves and door frames are wrapped in nylon packaging** of high thickness. The nylon packaging of door leaves can stay on after the installation of the doors. So, the doors **will not be harmed by the painting processes or plaster repairs** carried out after the installation.
- ✓ The doors are packed on palettes. **15 sets of single leaf doors** can be packaged on each palette.
- ✓ The fire doors have **half (corner) frames** suitable for any wall thickness as a standard. If **a full frame** is requested, the fire doors can be made suitable for a full frame covering the whole wall with the extra profile frames provided.***
- ✓ For doors which will be used with an **access control unit**, top quality **electrical strike (tested for 1 million cycles)** can be applied during production as an optional accessory.***
- ✓ **Windows** are possible. Stock sizes are 500 x 500 mm and 300x400 mm.***
- ✓ **Aluminium or fire-rated louvers** may be applied on request.***
- ✓ **Hardware** used on the doors are all very high quality with **incomparable functions not existing in the market**.
 - Doors are supplied with **lock, handles (or panic hardware) euro cylinders and 3 keys**.
 - Lock specially designed to be used in **left and right doors**.
 - Lock has double function; **panic and anti-panic**.
 - By use of a setscrew the lock can be **switched to panic from anti-panic**.
 - So in case you need to change the handle+lock+handle door to a panic hardware door it is possible without ordering extra lock.
 - Handle+lock+handle or panic hardware are installed as a **mono block hardware system** where 4 long bolts pass through the holes on the lock and makes a very rigid connection to handles and panic hardware otherside. Due to this mono-block hardware system it is not possible that the handles are tearing out of the doors due to harsh usage and gives the fire door and hardware set **durability and long life**.
 - Handle and panic bar are **cast aluminium (rust proof)** which can be used in all weather conditions.
 - **Standard hardware color is black however any RAL color is possible** for high volume orders.***