



**STEEL PROFILE FIRE RESISTANT DOOR/WALL**

**PFC029** FORSTER FUEGO LIGHT PROFILES, EI<sub>2</sub>60

version 07

**Recommended use**

Class EI60 fire barrier door/wall stops the spreading of fire and isolates the heat from the fire for at least 60 minutes.

Because of large glass surface, this door is especially suitable to separate fire barrier sections in places, where there are many people moving around -schools, hospitals, stairways and halls of office buildings and other public buildings.

**Dimensions**

Maximum dimensions(W x H):  
 Partition with single leaf door: **3500 x 3500 mm**,  
 Single door **1540 x 2570 mm**  
 Partition with double door: **4500 x 3500 mm**  
 Double door **2960 x 2960 mm**  
 Width of light aperture = jamb size - **140 mm**



**Conformity certificate**

Doors certified in accordance with the provisions of standard EN 16034:2014 by a certification bureau Inspecta Estonia OÜ. The door holds certificate no ET-0083-17 with fire resistance grade EI<sub>2</sub>60.

**Construction**

Door leaf and jamb are made of quality steel profiles produced by Swiss manufacturer **Hermann Forster AG**. All joints are welded. Each door leaf has three weld steel hinges with ball bearing for door leaf.

The depth of jamb is 65 mm, so is the thickness of the door leaf.

Double insulation between frame and door leaf – both, the frame and the door leaf are equipped with the frame gasket. Fire-proof glass seals are installed between the glass and the frame.

Profile products are painted by using powder coating technology (polyester powder paint and zinc epoxy-base paint). Standard tones are RAL9010 (pure white), RAL7001 (silver gray), RAL8014 (sepia brown), RAL9007 (grey aluminum), RAL7024 (graphite grey), RAL9006 (white aluminum). In addition it is possible to have door painted in wet painting using bi-component polyurethane paint and epoxide priming paint. It is possible to choose a proper tone from RAL or NCS catalogues.

**Glasses**

Only special glasses in conformity with class EI60 fire barrier are used. In non-transparent parts, 3X12,5 mm gypsum lath that is covered on both sides with painted steel sheets, is used.

**Locking**

All locking to be installed on the door (locks, knobs, handles, shutters, etc.) must correspond to the set locking criteria of the fire barrier door. The lock of the fire-barrier door must always bolt when the door is closed. Fire-barrier door on the evacuation route must be equipped with a shutter and it must be guaranteed that the door closes without any hindrance. Locking that is especially meant for narrow section doors must be used, since the locks of full doors do not fit into the frame of the section door.

**Accessories**

Lower part of door sheet can be protected with stainless steel 'foot defense'. If necessary, door can be supplied with automatic opening system, which control system offers various possibilities (photo detectors, switches, code controllers etc).

**Maintenance**

Depending on intensity of use of door/wall the condition of hinges and securing devices must be checked at least twice a year.

Closing of the door and the operation of the locking elements must be checked.

Detailed information is available in the maintenance manual.

It is possible to sign a maintenance contract upon purchasing the door.

