

STEEL PROFILE FIRE RESISTANT DOORPFD029 FORSTER FUEGO LIGHT PROFILES, EI₂₃₀

version 07

Recommended use

Class EI₂₃₀ fire barrier door stops the spreading of fire and isolates the heat from the fire for at least 30 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 of door frame:

One-sided door **1540×3070 mm**

Two leaf door **2970×3070 mm**

Width of light aperture = jamb size - **140 mm**

Conformity certificate

Doors is certified by Inspecta Estonia OÜ in accordance with EN 16034:2014 certificate ET-0014-17.

Classification according to EN 13501-2:2016: **EI₂₃₀-C5, Sa, S₂₀₀**.

Construction

Door leaf and jamb are made of quality steel profiles Fuego Light produced by Swiss manufacturer Forster Profile Systems 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 EI₂₃₀ fire barrier are used.

In non-transparent parts, 2x13 mm fireproof 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. Wider profiles for lock side are possible.

Accessories

It is possible to protect the lower part of the leaf with the so-called "foot leaf" made of stainless steel.

If, in everyday situations, the fire-barrier door will be kept open, electrical open magnets must be installed that will be connected to the fire alarm system of the building, so that the doors could close freely in case of fire emergency. The closing of the fire-barrier doors cannot be blocked with limiters, etc.

Maintenance

Depending on the intensity of use of the door, the condition of the hinges and locking 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.

