



**STEEL PROFILE FIRE RESISTANT WINDOW/WALL**

**PFW027** FORSTER FUEGO LIGHT PROFILES, EI30

version 08

**Recommended use**

Class EI30 fire barrier window/wall stops the spreading of fire and isolates the heat from the fire for at least 30 minutes. Because of large glass surface, this window/wall 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 frame:  
 Height **3980mm**  
 Width **without limitation**  
 Dimensions of light aperture = frame size – **140 mm**

**Conformity certificate**

Partitions/windows are certified by Inspecta OÜ in accordance with the provisions of standard EVS-EN 13501-2:2007+A1:2009 by a certification bureau Inspecta Estonia OÜ. The certificate no ET-0280-020 with **fire resistance grade EI30**.

**Construction**

Door frame are made of quality steel profiles produced by Swiss manufacturer **Hermann Forster AG**. All joints are welded. The depth of frame is 50 mm. 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 EI30 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. In case of extra large (over 4m<sup>2</sup>) and heavy panes account should be taken of special conditions of construction solution as well as installation.

**Accessories**

To protect the whole construction from humidity, frames can be galvanized before painting. If necessary, a steel sandwich panel can be installed instead of glass.

**Maintenance**

Frame can be cleaned with soft dampened cloth. Abrasive cleaning agents are not allowed. Glass can be cleaned with recommended agents according to instructions of their manufacturer. At least once a year check the condition of gaskets and replace non-elastic seals, if necessary. It is possible to sign a maintenance contract upon purchasing the door.

