



STEEL PROFILE EXTERNAL DOOR/WALL

PEC031 FORSTER UNICO PROFILES
PEC063 FORSTER UNICO PROFILES, RST 1.4301

Version 07

Recommended use

Door/wall, made from steel profiles with thermal break, is suitable for places, where front door with large glass surface must resist load and have high thermal insulation qualities.

CE-marking

CE marking, the test results are given in Forster Unico external door declaration of conformity composed by Saku Metall Ltd.

Dimensions

Maximum dimensions of the door frame:

One-sided door **1300x2550 mm**

Double-sided door **2280x2550 mm**

Width of light aperture = width of a frame - 100 mm or 140mm (depends on the frame profile).

Wall size limits depend on specific location and situation.

Construction

Door leaf and frame are made from quality steel profile series **Forster Unico** of Swiss manufacturer **Hermann Forster AG**, where internal and external steel parts are thermally separated and steel parts are galvanized. All frame joints are welded. Door has three weld steel hinges with ball bearing for door leaf. Depth of frame as well as thickness of door leaf is 70mm.

Double insulation between sash and door sheet – gasket fixed to door leaf as well as frame. Door gaskets and glass gaskets installed between glass and frame are made of high-quality EPDM rubber.

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

For glazing all available insulating glass unit types with maximum thickness 42 mm can be used.

Various laminated, hardened or combined security glasses can be used to increase security.

In addition to different glasses the panel solution with thickness 42 mm is possible to use. The panel is a combination of two metal sheets and the styrene foam in the middle.

Locking

Securing devices (locks, handles, catches etc.) are installed to the door as accessories according to location, function and set requirements. Special securing devices for narrow profile doors must be used.

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). Postboxes may be installed into fixed screen adjacent to a door.

Maintenance

Depending on intensity of use of door the condition of hinges and securing devices must be checked at least twice a year. No items obstructing closure of door may be between door and sash.

Moving parts must be lubricated regularly (at least twice a year) with special lubricant (e.g. silicon oil in spray package), hinges must be lubricated with solid grease.

At least once a year check condition of seals and replace non-elastic seals, if necessary.

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.

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

