

FIRE-RESISTANT WINDOW/WALL

PFW035 FORSTER FUEGO LIGHT PROFILES, EI120

ver 01

Application

The EI120-class fire-resistant window/wall prevents the spread of fire and insulates against heat generated during a fire for at least 120 minutes. Due to its large glass surface, this product is particularly well-suited for separating fire compartments in high-traffic areas such as stairwells and corridors in schools, hospitals, offices, and other public buildings. It can be used both as an interior or exterior wall by selecting appropriate finishes and glass types for the intended environment.

Dimensions

Maximum dimensions for the window/wall are:
 Height: **4339 mm**
 Width: **2539 mm** (width can be increased)
 Clear opening dimensions: Frame outer dimensions **minus 140 mm**

Certification

The window/wall is certified by Inspecta Estonia OÜ with certificate ET-0433-25. Constructed using Forster Fuego Light non-load-bearing steel profiles, it is classified as **EI120** fire-resistant according to the **EN 13501-2:2023** standard.

Construction

The frame is made from high-quality **Forster Fuego Light** steel profiles (Forster Profilsysteme AG, Switzerland) with all joints welded. It has a depth of 110 mm and includes fire-resistant glazing gaskets between the frame and glass.
 The surface is finished with zinc-based primer and polyester powder coating, available in standard **RAL colors**: RAL9010 (pure white), RAL7001 (silver grey), RAL8014 (sepia brown), RAL9007 (grey aluminium), RAL7024 (graphite grey), and RAL9006 (white aluminium).
 Optionally, custom RAL colors are available using two-component polyurethane paint and epoxy primer.

Glazing

Only special fire-resistant glass certified to the EI120 fire resistance class is used. For very large glass surfaces (over 4 m²) or heavy glazing, specific structural and installation considerations must be taken into account.

Additions

To enhance corrosion resistance, the profiles are galvanized (electroplated with a zinc coating).

Maintenance

To clean the frame, use a soft damp cloth. Do not use abrasive cleaning agents. Glass should be cleaned with products specifically intended for that purpose, following the manufacturer's instructions. Seals must be inspected at least once per year, and any that have lost elasticity should be replaced. A scheduled maintenance contract is available upon purchase.

