

FIRE PROTECTION

SAPA 2086 El₂ 30

INSULATED FIRE DOOR FOR DEMANDING EXTERIOR FIRE SOLUTIONS

SAPA 2086 El₂ 30 are fire rated door- and door partitions with great variety of applications and approved for large sizes. A robust and well proven system with high performance.

Prestanda

- SAPA 2086 El₂ 30 is suited excellent for exterior fire doors in modern buildings with high requirements.
- Door leaf size: single door; max 1620 (1350) x 2928 mm, double door; 2972 x 2928 mm
- Size for door partition: single door/double door 4462 x 3432 mm.
- Base-insulated with 42 mm fiberglass reinforced polyamide strips with fire-insulated bars SAPA Thermo N9 in the profiles.
- Door leaf profiles available for narrow/module locks.
- Finger protected edges on hinge part of door leaf.
- Rebate for glass and filling: 15–49 (52) mm.
- Outer glazing beads is integrated in the profile for asymmetrically placed glass.
- Connection to our fire-rated glass wall 3086.
- Tested for repeated opening and closing to class C5 (at least 200 000 cycles).
- Can be combined with door closer or door automation.

Safety

- Fire class: El₂ 30.

Design

- Single-/double door with or without side- and top light.
- Profile depth: 86 mm.
- Bar width: 74–172 mm.
- Glazing bead height: 22 mm.
- Aesthetic appearance similar to standard 86-system.
- Split mullions available.
- Profile depth reinforced up to 118 mm.
- Frame width: 52–150 mm.
- Door leaf width: 89–120 mm (narrow and modular).
- Possibility to use variants of design glass and plates to infill panels.
- Standard thresholds as well as without threshold and options with automatic threshold.

Low carbon footprint

- SAPA 2086 El₂ 30 is made from Hydro REDUXA. Aluminium made with renewable energy from water, wind and solar. Hydro REDUXA has a maximum carbon footprint of 4.0 kg CO₂ per kg aluminium produced. Less than a fourth of the global average.

Approval certificate: CE-marked according to EN 16034 and EN 14351-1

Max. dimensions: single door; W 1620 x H 2928 mm, double door; W 2952 x H 2928 mm, door partition; W 4462 x H 3432 mm

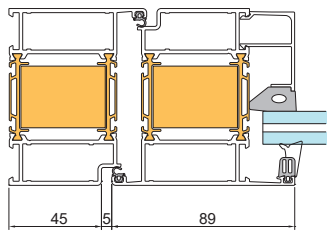
Approved fire-resistant glass: Pyrostop 30, Contraflam 30 and Pyrobel 17N. All approved as SGU, DGU and TGU

Approved infill panels: plasterboard covered with aluminium sheet, Rockwool board + plasterboard covered with aluminium sheet

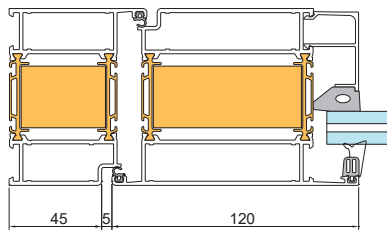


Applications

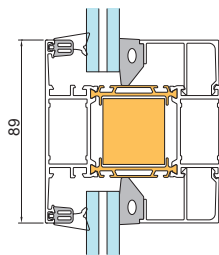
Design details for fire-resistant elements 2086 El2 30



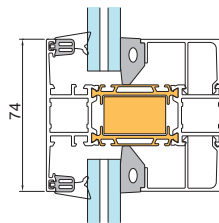
Frame/door leaf narrow section



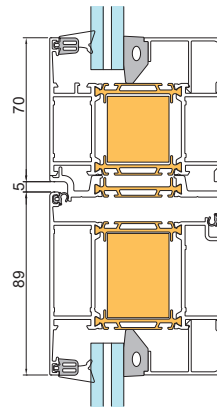
Frame/door leaf modular section



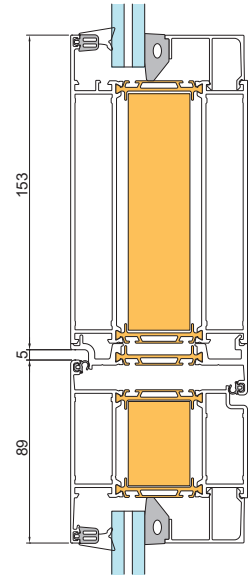
Glazing bar



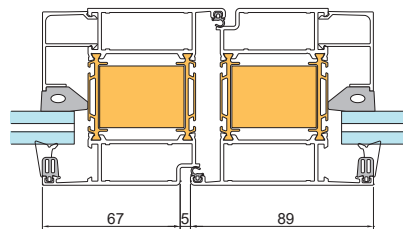
Glazing bar



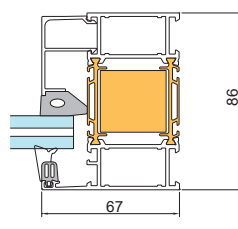
Top edge of door with top light



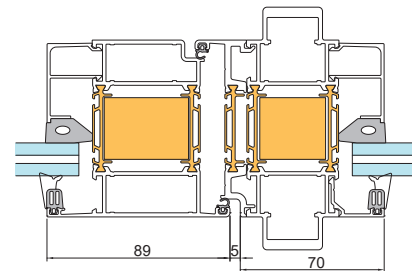
Top edge of door with top light and profile for automatic door operator



Double doors, narrow section

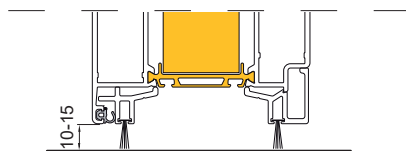


Frame profile

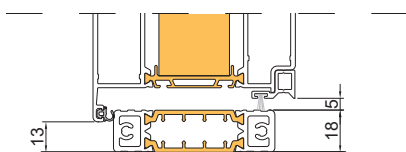


Door with glazing bar for element height above 2500 mm

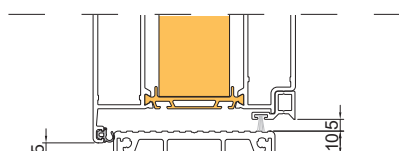
Examples of door sills for Door 2086 El2 30



Door with brush seal



Door with rebate seal against door sill



Door with rebate seal against door sill

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sapa:

By  Hydro