



Carlsberg Byen in Copenhagen

Outward Opening Fire-Rated Window

ALUFLAM is proud to present a new window system with an exceptionally low profile that opens outwards.

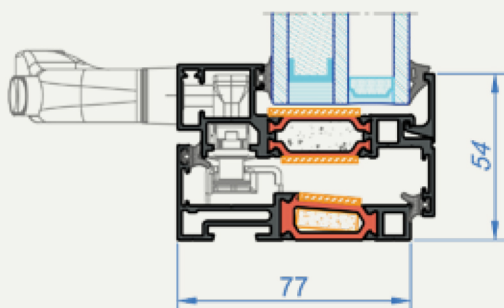
The profile height of 54 mm ensures not only lightness and aesthetics but also full coherence with all other products of the A+ family. This system complies with the EI60 classification for both sides, internal and external.



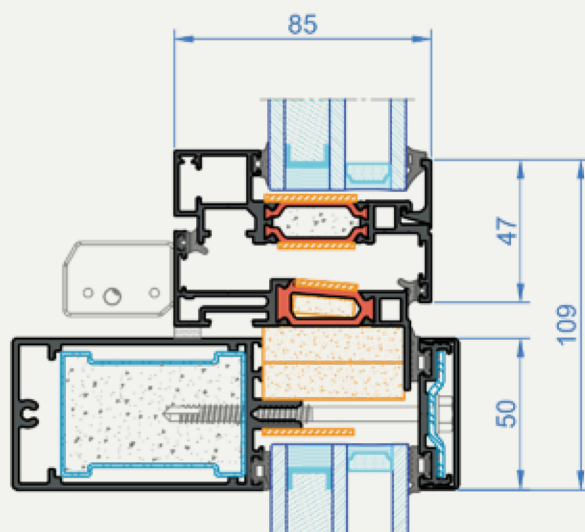
Outward opening fire-rated window from the A+ family

- **Fire resistance** – EI60 / EW60 / E60 for the used glass:
VETROTECH CF60 / air / Planilux (27 / 12 / 6 mm)
- **Visual effect** – narrow window frame with 54 mm sightline ensures full visual and system compatibility with all other A+ family products
- **Universal installation** – the possibility of installation as a single window in the wall construction and as an element of the facade system
- **Various opening options** – a manual opening option with a handle or automatic opening using special actuators, top hung opening angle: 50 degrees
- **Numerous colours and finishes** – aluminium profiles can be powder coated (RAL, NCS) or anodised

Manual handle version



Automatic actuators version (example with facade AW50)



Fire resistance	EW60, EI60 (internal & external side)
Tested glass	Contraflam 60 / air / Planilux (27 / 12 / 6 mm)
Maximal size	1244 x 1104 mm
Minimal size	700 x 700 mm
Frame depth / Sightline	77 mm / 54 mm
Maximal glazing thickness	45 mm
Functionality	window, awning window

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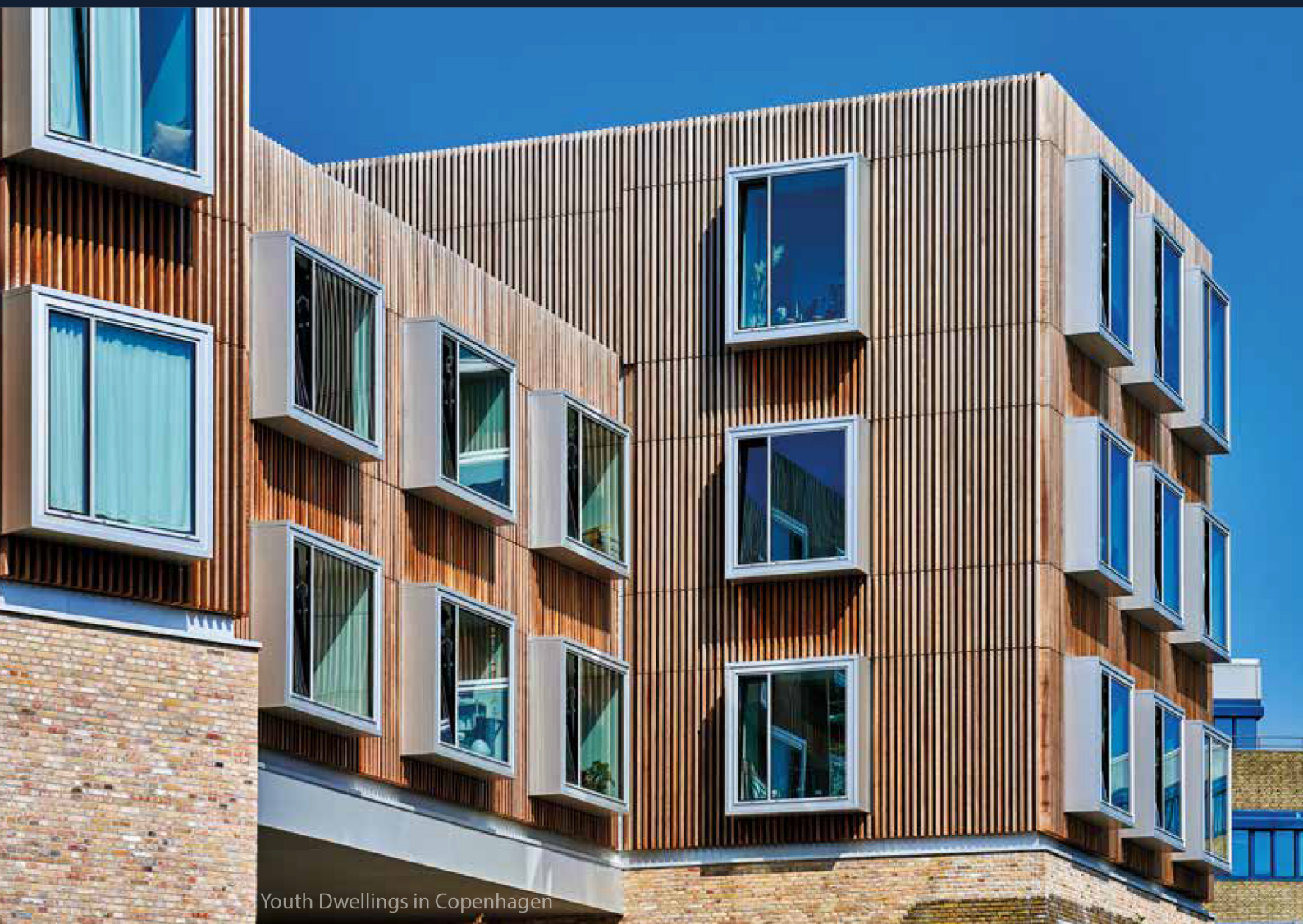
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A+ Inward FR Window

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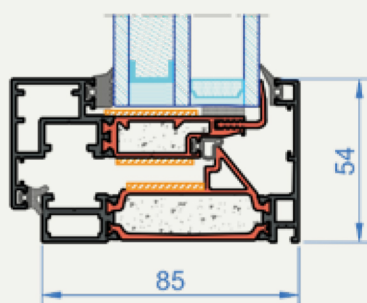
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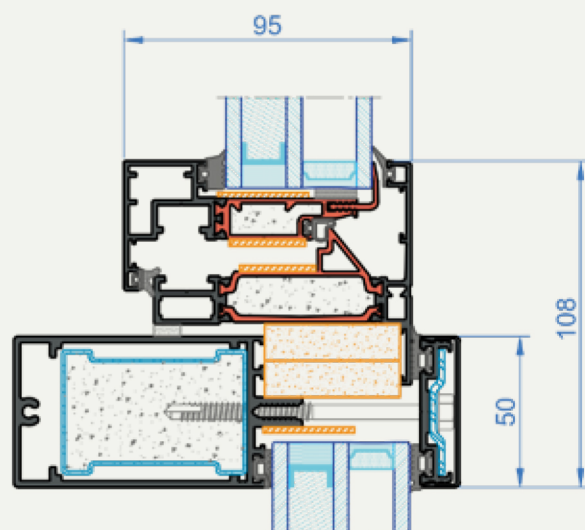
Inward opening fire-rated window from the A+ family

- **Visual effect** – narrow window frame with 54 mm sightline ensures full visual and system compatibility with all other A+ family products
- **Universal installation** – the possibility of installation as a single window in the wall construction and as an element of the facade system
- **Numerous frame depths** – wide palette of frame profiles with different depths and types of sightline: flat and bevel
- **Opening** - inward, tilt & turn
- **Operating** - manual, automatic
- **Sound reduction** - up to 42 dB
- **Surface finishing** - powder coating (RAL, NCS), anodizing

Window



Facade window (example with facade AW50)



Fire resistance	EW60, EI60 (internal & external side)
Tested glass	5mm ESG / 25mm Fireblock 60
Maximal size	1244 x 1104 mm
Minimal size	700 x 700 mm
Frame depth / Sightline	85, 95, 149, 159, 174 mm / 54mm
Maximal glazing thickness	48 mm
Functionality	windows

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Double Door AF70 FR



DTU in Kongens Lyngby

Fire Rated Door

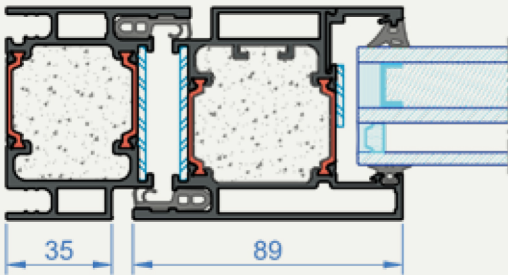
ALUFLAM AF70 glass fire doors are high performance, thermally broken narrow aluminium frames with its cavity filled with patented fire retardant cooling core.

Incorporating extensively tested fire resistant glazing, the AF70 door system can be used internally up 60 minute fire

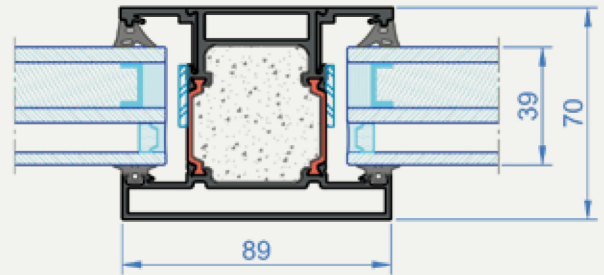


- Clean, sharp lines of narrow stile aluminium
- Large glass areas
- Easily integrated into large shopfront, glass partition or curtain wall
- Can be installed with ease in masonry or plasterboard fire wall
- High impact resistance
- Energy efficient
- Incorporates high quality commercial door hardware for both, interior and exterior installation
- Sound reduction - up to 39 dB

Frame / Door



Transom



Fire resistance	EI30 - EI60
Tested glass	Contraflam 60, Fireblock 30-60
Maximal size	1200 x 2050 mm (per glass field)
Minimal size	700 x 700 mm
Frame depth / Sightline	70 mm / 89 mm
Maximal glazing thickness	38 mm
Functionality	single, double doors, partitions

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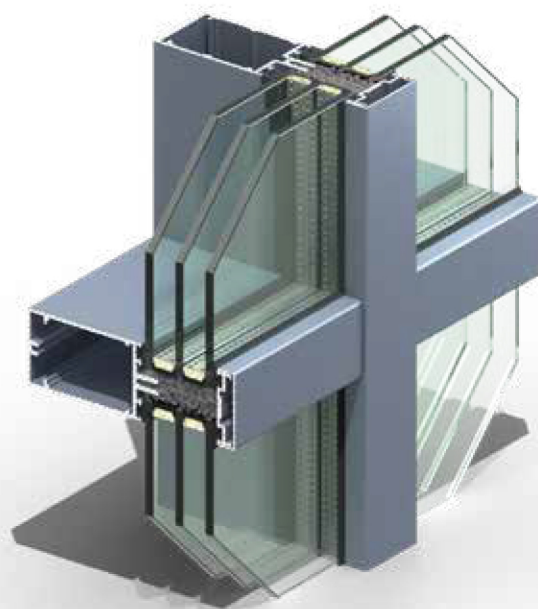
Facade AW50



AXIOMA HQ Kaunas LT

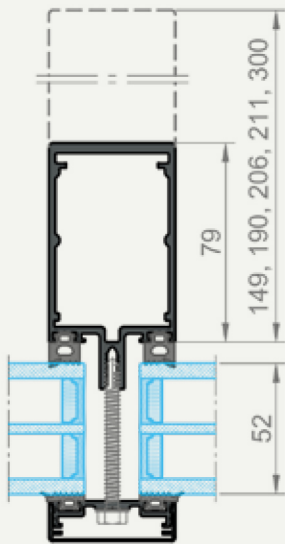
Facade

The AW50 is a versatile, aluminum façade system designed to offer robust performance and sleek aesthetics. With high thermal insulation and flexible glazing options, AW50 is ideal for modern architectural needs, enhancing building exteriors with a refined look. Engineered for durability, this system adapts to various structural requirements. Ideal for commercial projects that prioritize both style and energy efficiency.

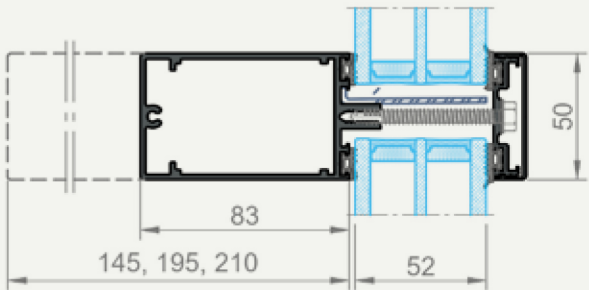


- Suitable for commercial and architectural applications
- Enhances building appearance with clean, refined lines
- Large panes can be configured with this system
- Thermal isolation with value down to $U_m = 1.17 \text{ [W/m}^2\text{K]}$ (infill panel 52mm)
- Aesthetic, narrow sightline of the system profiles: 50 mm
- Easy integration with other façade systems
- Good sound resistance
- Single and multiple window panel design is available
- Surface finishing - powder coating (RAL, NCS), anodizing

Mullion



Transom



Sightline	50 mm
Mullion depth	79, 149, 190, 206, 211, 300 mm
Transom depth	83, 145, 195, 210 mm
Thermal isolation U_m	1.17 $[\text{W/m}^2\text{K}]$ (infill panel 52mm)
Maximal glazing thickness	80 mm
Functionality	internal, external curtain walls