



Aluflam Automatic Fire Rated Sliding Doors provides a modern, space-efficient fire protection solution for commercial, healthcare, education, and public buildings. Designed to combine everyday accessibility with certified fire compartmentation, the system operates as a fully automatic sliding door under normal conditions and automatically closes upon activation of the fire alarm system. Aluflam AF91 fire rated Automatic Sliding Doors use non corrosive, thermally broken aluminium frames with its cavity filled with patented fire retardant cooling core. Incorporating extensively tested fire resistant glazing, the AF91 system can be used for FRL up to 60 minutes.

MADE IN AUSTRALIA

Testing and Operation

Tested and assessed in accordance with Australian fire resistance requirements, the door achieves Fire Resistance Levels (FRL) up to -/60/60, providing up to 60 minutes integrity and insulation performance.

The system is ideal for locations where swing doors are impractical or where clear access and unobstructed traffic flow are required. The door incorporates failsafe operation, automatic self-closing functionality during fire events, and can be integrated with building fire detection and access control systems. Available in a range of configurations and finishes, the system can be customised to suit architectural and operational requirements while maintaining certified fire performance.

Benefits

- Fire Resistance Level (FRL) up to -/60/60
- Single and Double door leaf options
- Automatic operation for hands-free accessibility
- Closes automatically upon fire alarm activation
- Space-saving alternative to traditional hinged doors
- Compatible with access control and building systems
- Thermally broken frame for high performance energy
- PPC or Anodising options
- Max Door leaf sizes; 1600mm W to 3400mm H

Glass Options & Recommendations

Pyrobel 16 FRL -/60/- up to -/60/30

Pyrobel 25 FRL -/60/- up to -/60/60

Pyrobel 25EG -/60/- up to -/60/60

Contraflam 120 ClimaPlus IGU FRL up to -/60/15*

Pyrostop 60 101 FRL -/60/- up to -/60/60

Pyrostop 60 201 DGU FRL up to -/60/60

* Failure recorded at 27 minutes.

For a full range of glass and FRL configurations in the AF91 frame, please contact Aluflam or refer to test Report FAS180467

Aluflam Automatic Fire Rated Sliding Doors delivers a practical balance of safety, accessibility, and architectural design providing reliable fire compartmentation without compromising building functionality.

Auto Door Operator

EL301 Dormakaba - up to 300 Kg leaf weight

AL501 Dormakaba - up to 500 kg leaf weight

The EL 301 & AL 501 automatic operator is tested to AS5007, 1 million cycle endurance testing clause 4.4.1.1. and main power fail test close.

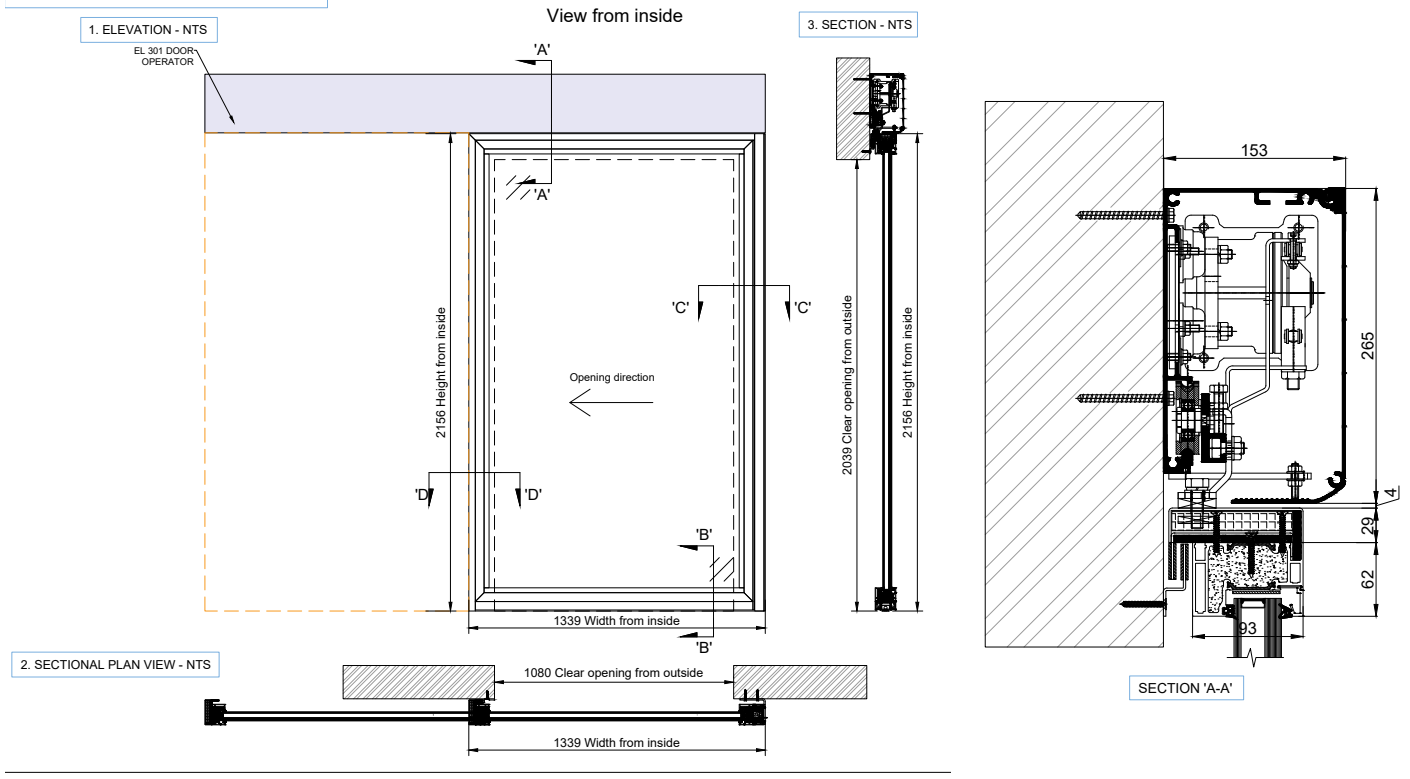
FRAME & GLASS RECOMMENDATIONS*

Fire rating	-/60/- to -/60/60	up to -/60/30	-/60/60	-/60/15 to -/60/60
Application	Internal	External	Internal	External
Glass (single laminated)	Pyrobel 16	Pyrobel 16EG	Pyrobel 25	Pyrobel 25EG
Glass (double glazed IGU)		Contact Aluflam		Contraflam ClimaPlus
Glass thickness	17mm	21mm	27mm	32mm
Max overall size (w x h)	1080 x 3400	1080 x 3400	1160 x 2492	1600 x 3400
Sound reduction Rw	40 dB	41 dB	43 dB	38 dB
Light transmission	84%	84%	82%	49%
Glass weight	40kg/m ²	48 kg/m ²	60 kg/m ²	46 kg/m ²

Typical Drawings and Dimensions

Door Operation Section Detail

AF91 FRAME CONSTRUCTION



HOW TO SPECIFY

Aluflam AF91 fire rated auto sliding fire door to be fully certified to AS1530.4 for fire; incorporating non corrosive, AF91 thermally broken aluminium frame (61mm sighted x 93mm depth) with {ENTER GLASS} glass to provide minimum FRL of {ENTER FRL}, installed in an {ENTER LOCATION} location, finished in {ENTER PPC OR ANODISED} in accordance with Aluflam NATA accredited Fire Report Test Number FAS180467

* Further options are available, please contact Aluflam for further information

Aluflam has a policy of continuous improvement and reserves the right to change methods and specifications without notice. Refer to our website to check if this technical datasheet is valid. Aluflam Australia is a registered business of Greene Fire Manufacturing Pty Limited.

