



HINGED DOOR

The Alufire Hinged Door offers a modern take on fire-rated hinged doors, featuring a sleek design with either a surface-mounted or concealed door closer for enhanced fire safety and contemporary aesthetics.



FIRE RESISTIVE
Compartmentalize smoke and flames and block heat transfer

intertek **Applus⁺**
ASTM E119 & UL 263



FIRE RATING: 60/90/120 MIN



*For Automatic hinged door option, please contact us.

KEY FEATURES:

- Fire rating of 45 & 60 mins
- Available in both narrow and wide stiles
- Naturally corrosion resistant for long-lasting durability
- Non-combustible framing material
- Lightweight yet structurally sound
- Ideal for interior and exterior applications
- Excellent acoustic insulation
- Robust construction for durability
- Available in multiple configurations
- Compatible with AS85 Curtain Wall & Partition systems
- Frames offered in high-performance powder coat or anodized finishes (normal, stainless steel effect, wooden effect) Consult Tecfire to ensure compatibility with specific door hardware

HINGED DOOR TYPE	FIRE RATING	MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	FIRE RATED GLASS THK	MAXIMUM GLASS SIZE	MAXIMUM GLASS AREA
Single Leaf	60 mins	1610mm	3200mm	26.6mm	1370mm W x 2950mm H	3.38m ²
Single Leaf	60 mins	1610mm	3200mm	27mm	1325mm W x 3284mm H	3.65m ²
Single Leaf	60 mins	1610mm	3200mm	29mm	1027mm W x 2363mm H	2.43m ²
Double Leaf	60 mins	2972mm	3200mm	26.6mm	1370mm W x 2950mm H	3.38m ²
Double Leaf	60 mins	2972mm	3200mm	27mm	1325mm W x 3284mm H	3.65m ²
Double Leaf	60 mins	2972mm	3200mm	29mm	1027mm W x 2363mm H	2.43m ²

Note: Glass pane sizes cannot go beyond the maximum glass area (i.e., glass height can go up to 2950mm but the total glass area cannot be more than 3.38m²)

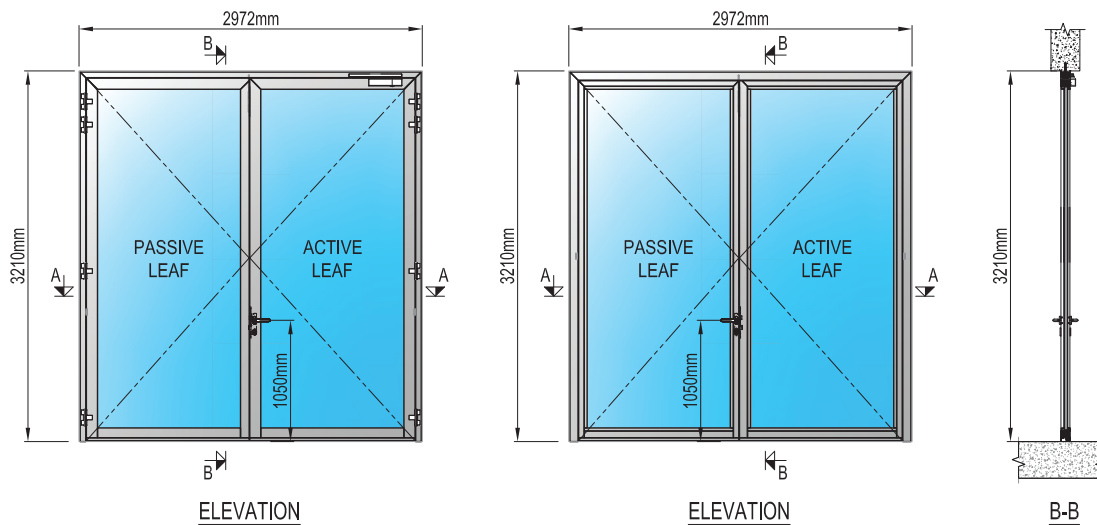


TECFIRE

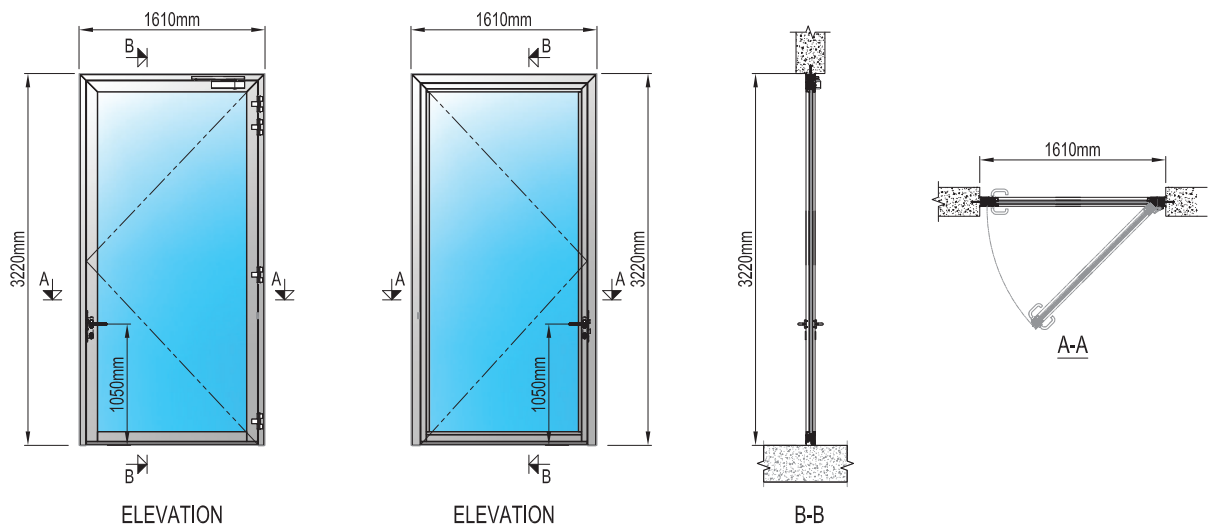
safety is invisible

ALUFIRE AS85
ALUMINUM SYSTEMS SERIES

ALUFIRE AS85 60MIN
DOUBLE LEAF HINGED DOOR



EXAMPLE OF APPLICATION



www.tecfire.com

TECFIRE USA INC.

1-833-TECFIRE



Intertek WH US + C Mark for Category D -
Door/frame Assemblies
Standards: CAN / ULC S104:2015 (R2020) UL 10(c) (2016),
UL 10(b) (R2015), NFPA 252 (2017)



Dubai Opera

FIRE TESTING



CERTIFICATE OF COMPLIANCE

intertek
Quality Assurance

Certificate of Compliance

You have been awarded:
Intertek WH US + C Mark and WH Service Mark 2014 for Category D - Door/frame Assemblies
Standards: CAN / ULC S104 (2015) (R2020), UL 10(c) (2016), NFPA 252 (2017), EN 1634-1 (2013), UL 10(b) (2015), NFPA 252 (2017)

Certificate number: WH035-27726707

Organization: Tecfire Middle East SL
P.O. Industrial Sector B, Calle Ventorrillo No. 1
Torrelavega, Cantabria 49018
Spain

Product: Tecfire - Alufire AS85 Door and Frame Assembly - UL 10C / EN 1634-1
(See ID 8815)
The Range of Door and Frame Assemblies, 45 Min PP Category D Door/frame Assemblies
(Link: <http://www.intertek.com/wh035-27726707>)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: March 12, 2025
Date of expiry: December 31, 2025
Issue status: 1

Authorized by:
Jean-Philippe Kaji, Director of Certification
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WH035-27726707

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LISTING INFORMATION

PRODUCT COVERED
Tecfire - Alufire AS85 Door and Frame Assembly - UL 10C / EN 1634-1

PRODUCT DESCRIPTION
Category D "Door/frame Assemblies" single leaf swinging doors or double leaf swinging doors for installation, according to UL 10C, in openings in steelwood stud drywall or masonry walls. Alternatively, according to EN 1634-1, in openings in steelwood stud drywall. Walls must be of listed fire-rated construction.

The door leaves are glazed with listed 60 minute glazing, T-Frame E160 Glazing panels (Single or Double Glazing Units, from Tecfire or similar listed glazing panels from other manufacturers. All glazing shall be marked as certified for the fire resistance rating required. The glazing shall also be marked as meeting the impact safety requirement of ANSI Z97.1 and CPSC 16CFR1630.1 (C.A. 1 or 16).

Tested Hardware or similar listed hardware is allowed for installation.

FIRE RATINGS
Tecfire - Alufire AS85 single or double leaf door assemblies have been qualified for the following ratings according to UL 10C - Positive Pressure Fire Tests of Door Assemblies and UL 10B - Standard of Fire Tests of Door Assemblies.

Rating	Maximum Single Door Leaf Size (w x h)	Maximum Double Door Leaf Size (w x h)	Maximum Glass Size (w x h)
45-Minutes (Single Door with T-Frame E160)	1245mm x 2450mm	1245mm x 2450mm	1094mm x 2288mm

*Alternative glazing panels may be installed provided they are listed according to UL 10C for use in similar Aluminum frame door assemblies in the same size as noted above. The maximum dimensions above are Tecfire's limitations for glass. The final size shall be determined from the maximum size permitted for the glazing or the maximum size noted above for the Tecfire door assembly, whichever is smaller.

The fully glazed door assemblies qualify for temperature rise restriction rating (T) which is defined as a maximum unexposed surface temperature increase of 450°F (250°C) when measured at 30 minutes during the fire test.

Tecfire - Alufire AS85 double leaf door assemblies have been qualified for the following ratings according to EN 1634-1 - Fire resistance and smoke control tests for door and shutter assemblies.

Rating	Maximum Double Door Leaf Size (w x h)	Maximum Glass Size (w x h)
E160 60 Minutes Rated (Single Door with T-Frame E160)	1245mm x 2450mm	1094mm x 2288mm

Note - Entire Assembly (door, frame and hardware) is shipped from the manufacturing facility as a complete

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