

FIRE DOORS LISTING PROGRAM

Customer: Comercial Dialum, S.A.
 Class: Proprietary Fire Doors and Frames
 Location: Santiago, Chile
 Website: www.dialum.com

Listing No. F480-1
 Project No. F480-1 Edition 1

Effective Date: August 15, 2022
 Last Revised Date: August 15, 2022

Standards: UL 10C *Standard for Positive Pressure Fire Tests of Door Assemblies.*
 UL 10B *Fire Tests of Door Assemblies.*
 CAN/ULC-S104 *Standard Method for Fire Tests of Door Assemblies.*

Product: F60 Proprietary Glass Doors and Steel Frames for use in 60-minute Positive Pressure Applications.

Labels: See [FD001 - Fire Door Labeling requirements](#)

Models: **60-MINUTE GLASS DOOR WITH STEEL FRAME CATEGORY D OPENINGS:**

MAXIMUM DOOR SIZES:

Minimum 2-3/4" *(70 mm) Thickness

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Height:		
Standard Pairs	70-1/4" (1786 mm)	94-3/4" (2407 mm)	Vision Panel	3 Point Proprietary Panic Hardware

Limitations: (Review Machining Report for further details)

Hardware:

- Active leaf latch and concealed vertical rod shoot bolt top locking hardware with emergency exit function.
- Inactive leaf concealed vertical rod top and bottom shoot bolt lock with emergency exit function.

Hinges:

- 2 welded proprietary hinges at top and bottom of door.

Fire Exit Devices:

- See Hardware section above.

Door Closers:

- Mortised Geze Boxer 3-6 C4 automatic closers in the active and inactive leaf.

Surface Mounted Protection Plates

- Not permitted.

Louvers

- Not permitted.

Metal Edges/Astragals (Listed and labeled for rated opening)

- Metal edges and Z-Astragal set for meeting edges of pairs (not required).

Vision Panels

- Vision Lights 27 mm (1") Thickness
 - Maximum area of exposed glass per door leaf is 2408 inches² (1.55 m²) with a maximum width of 29-1/4 inches (743 mm) and maximum height of 82-1/4 inches (2091 mm) height.

Electric Raceway

- Not permitted.

Door Bottoms Seals [Double Egress Doors - Surface mounted only]

- Automatic drop seal door sweeps in active and inactive leaf's.

Surface Mounted Hardware

- Permitted

MAXIMUM FRAME SIZE:

Swing Type:	Maximum Dimensions	
	Width:	Height:
Standard Pairs	75" (1905 mm)	98" (2489 mm)

Limitations:

Minimum Frame Depth:	2-3/4" (70 mm)
Maximum Frame Depth:	Equivalent to wall thickness
Minimum Frame Thickness:	17-Gauge Galvanized Steel

Hinges and Hardware:

A minimum of 2 proprietary hinges are required for installation of Comercial Diallum, S.A. 60-minute fire-resistant doors to Comercial Dialum S.A. frames.

Preparation of all hinges and hardware shall be made in accordance with Comercial Dialum, S.A. manufacturing and machining specifications.

Electric Raceways:

Not permitted.

Mortised Door Closer:

Mortised Geze Boxer 3-6 C4 automatic closers door closers are permitted in the active and inactive leaf frame header.

Mortised Electric Strike:

Not permitted.

Installation:

Installation details is to connect the proprietary frame to underlying framing / wall structure and are outside the scope of this listing. Installation is to ensure fire protection continuity is maintained between the wall and frame components and shall consider details including but not limited to wind resistance.

Installation shall be approved by the authority having jurisdiction.

Notes: *Refer to QAI evaluation report F480-1 for evidence supporting product certification.*

Refer to the [QAI FD002 - Fire Door Guidelines for general guidelines of fire door assemblies](#)

Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction (AHJ).

Product is to be installed in accordance with the manufacturer's published installation instructions by qualified installing personnel.

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