



McGRORYGLASS

FireDefend™ Wire F

FIRE-RATED • SAFETY-RATED • WIRED GLASS

FireDefend™ Wire F is a nominal 1/4" (6 mm) thick fire-rated and impact safety-rated glazing material composed of wired glass and surface-applied fire-rated film. It is listed for use in doors, sidelites, transoms and borrowed lites with fire rating requirements for 20, 45, 60 and 90 minutes.

FEATURES

- Fire-rated for 20, 45, 60 and 90 minutes with required hose stream test
- Impact safety-rated meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)
- Wired glass with high performance surface-applied fire-rated film
- Available as an insulated glass unit (IGU)
- Withstands thermal shock
- Passes positive pressure test standards UL 10C, UBC 7-2 and UBC 7-4
- Fits in standard fire-rated frames
- 3-year limited warranty*

GENERAL CHARACTERISTICS

- Thickness: Nominal 1/4" (6 mm) overall
- Weight: 3 lb/ft²
- Approx. Visible Transmission: 77%
- Fire Rating: 20, 45, 60, and 90 minutes
- Impact Safety Rating: Meets ANSI Z97.1 and CPSC 16CFR 1201 (Cat. I and II)

SPECIFICATIONS

All glass designated on the drawings as fire-rated and impact safety-rated shall be nominal 1 / 4" (6 mm) thick FireDefend™ Wire F by McGrory Glass.

Please contact McGrory Glass for more information.

STORAGE & HANDLING

Inspect each piece of FireDefend™ Wire F immediately before installation and eliminate any with observable edge damage or face imperfections. FireDefend™ Wire F must be handled with care during transportation, storage, inspection and installation. Store in a dry place.

INSTALLATION

FireDefend™ Wire F shall be glazed into the appropriate fire-rated framing with an approved glazing compound (pure silicone, closed cell PVC tape, or DAP 33 putty) as supplied by the installer. For sizes larger than 1,296 in² or 54" in one dimension (noted in the size schedule for standard sizes), FireDefend™ Wire F shall be glazed with Pemko FG3000™ as supplied by the installer.

NOTE

This product is not a barrier to radiant heat, as it does not meet test standards ASTM E-119 or UL 263.

If your jurisdiction requires a "barrier to heat" product, please contact McGrory Glass.

SINGLE SOURCE GLASS SOLUTIONS

- Luxar® Anti-Reflective Glass
- Coming® Med-X® X-Ray Shielding Glass
- Vitrealpecci Madras® Italian Etched Glass
- ElectraView™ Switchable Privacy Glass
- Doors & Entrance Systems
- Decorative & Architectural Glass

GET INTOUCH

Request a quote, order a library sample, or speak to a specialist:

800-220-3749

fire@mcgrory.com
mcgrory.com



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LABELING

Each piece of FireDefend™ Wire F shall be permanently labeled with the FireDefend™ Wire F logo, UL logo and fire rating.

LISTINGS

Classified and labeled by Underwriters Laboratories, Inc.® and Underwriters Laboratories of Canada. File number for labeled fire-rated assemblies is UL File No. R21674. Tests performed in accordance with: UL 9, UL 10B, UL 10C, NFPA 80, NFPA 252, NFPA 257, CAN4 S-104, CAN4 S-106.

RATING	ASSEMBLY	MAX. EXPOSED AREA (IN ² /FT ²)	MAX. WIDTH OF EXPOSED GLAZING (IN.)	MAX. HEIGHT OF EXPOSED GLAZING (IN.)
20 min.	Doors (non-temp rise)	3,289/22.84	34-3/4	92
45 min.	Doors (non-temp rise) Other than doors	1,296/9	54	54
60-90 min.	Doors	100/.69	10	33

SIZES WHEN GLAZED WITH PEMKO FG3000™

RATING	ASSEMBLY	MAX. EXPOSED AREA (IN ² /FT ²)	MAX. WIDTH OF EXPOSED GLAZING (IN.)	MAX. HEIGHT OF EXPOSED GLAZING (IN.)
45 min.	Doors (non-temp rise)	2,856/19.83	34	84
	Other than doors	4,608/32	100	100
60 min.	Wood Door (non-temp rise)	960/6.66	12	80
90 min.	Doors (non-temp rise)	552/3.83	12	46

Note: Individual life sizes cannot exceed "Max. Exposed Area" shown above.



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THE MCGRORY GLASS DIFFERENCE

Fast, Accurate, Options

- An established national manufacturer and direct distributor, McGrory stocks most fire-rated glass for immediate shipment. All glass is cut to order and shipped directly from our warehouse, allowing for quick turnaround and custom sizing at competitive prices. Next day delivery services are available.

Customer Service

- Are you working with intricate architectural designs that require custom facilitation? Renovating or retrofitting educational and healthcare facilities? Does the current glazing fail to satisfy code requirements or has the surface-laminated film deteriorated? McGrory can help.
- We know the products, and we know the codes. When you partner with McGrory, we make sure the right glazing is used in the proper application.
- Our dedicated team of fire-rated specialists have decades of experience in fire-rated glass and framing systems. We are ready to help you navigate the complicated world of life-safety glazing options.

Single Source Solution

- Don't sacrifice aesthetics for functionality: our range of interlayers and insulation combine decorative qualities with structural and acoustic benefits.
- Execute unforgettable design and meet code requirements with our in-house print division.
- McGrory offers comprehensive safety solutions, including security glass and Coming® Med-X® X-Ray Shielding Glass.

GET IN TOUCH

Code confusion? Protective vs. resistive? Fire vs. smoke? We'll help you get the right fire-rated glass product to meet the required performance.

Call: 800-220-3749 | Email: fire@mcgrory.com | Visit: mcgrory.com