

## 6mm • FIRE-RATED • IMPACT SAFETY-RATED

Fireglass<sup>®</sup>20 glazing material is listed for use in doors with a fire rating requirement of 20 minutes.

### FEATURES

- Fire-rated for 20 minutes
- Impact safety-rated — meets ANSI Z97.1 and CPSC 16CFR 1201 (Cat. I and II)
- Specially heat-processed tempered (at least 4 times stronger than regular glass)
- Clear and wireless
- Fits in standard fire-rated door vision kits
- Large sizes available
- Available in an insulated glass unit (IGU) with other glass products, including (but not limited to):
  - Tinted
  - Low-E
  - Decorative
  - Reflective
  - One-way Mirror
- May be lightly sandblasted/etched or beveled on one side without affecting fire rating
- Passes positive pressure test standards UL 1 OC, UBC 7-2, and UBC 7-4
- For use in interior and exterior applications Manufactured in the U.S.A.

### TECHNICAL SPECS

- Thickness: 1 / 4" (6mm)
- Min. Glass Size: 4.5" (Must be 16" diagonal)
- Weight: 3 lb/ft<sup>2</sup>
- Approx. Visible Transmission: 89%
- Approx. Visible Reflection: 8%
- Fire Rating: 20 minutes (without hose stream test)
- Impact Safety Rating: ANSI Z97. I and CPSC I 6CFR 1201 (Cat. I and II)

### SPECIFICATIONS

All 20 minute fire-rated and impact safety-rated glass designated on the drawings shall be 1 / 4" (6mm) thick Fireglass<sup>®</sup>20, as manufactured by McGrory Glass, Paulsboro, NJ 08066. Contact McGrory for complete 3-part CSI format specification at [Fire@McGrory.com](mailto:Fire@McGrory.com).

### STORAGE & HANDLING

Fireglass<sup>®</sup>20 must be handled with care during transportation, storage, inspection, and installation. Store in a dry place.

### INSTALLATION

Fireglass<sup>®</sup>20 shall be glazed into the appropriate fire-rated framing with setting blocks and closed cell PVC tape. Openings must be plumb and square. Allow for a minimum edge clearance of 1 / 4" and a minimum edge coverage of 3/8". Inspect each piece of Fireglass<sup>®</sup>20 immediately before installation and eliminate any glass with observable edge damage or face imperfections. Place setting blocks (3" minimum) at the quarter points. Check for clearance around the edges, and adjust setting blocks as needed.

### NOTE

This product is not a barrier to radiant heat. This product does not meet test standards ASTM E-1 19 or UL 263. If your jurisdiction requires a

"barrier to heat" product, please contact McGrory regarding Pilkington Pyrostop<sup>™</sup>

### SINGLE SOURCE GLASS SOLUTIONS

- Luxar<sup>®</sup> Anti-Reflective Glass
- Corning<sup>®</sup> Med-X<sup>®</sup> X-Ray Shielding Glass
- Vitrealspecci Madras<sup>®</sup> Italian Etched Glass
- ElectraView<sup>™</sup> Switchable Privacy Glass
- Doors & Entrance Systems
- Decorative & Architectural Glass

### GET IN TOUCH

Request a quote, library sample, or speak to a specialist: 800-220-3749 | [fire@mcgrory.com](mailto:fire@mcgrory.com) | [mcgrory.com](http://mcgrory.com)



**LABELING**

- Each piece of Fireglass®20 shall be permanently labeled with the appropriate marking on sizes up to 3,204 inches<sup>2</sup>
- This product is approved for use in 20 minute rated doors only per IBC.

**LISTINGS**

Classified and labeled by Underwriters Laboratories, Inc.®. File number for labeled 20 minute fire-rated assemblies is R13377. Tests performed in accordance with: UL 9, UL 10B, UL 10C, NFPA 80, NFPA 252, LARR 25798

RATING	ASSEMBLY	MAX. EXPOSED AREA (IN <sup>2</sup> /FT <sup>2</sup> )	MAX. WIDTH OF EXPOSED GLAZING (IN.)	MAX. HEIGHT OF EXPOSED GLAZING (IN.)
20 min. (W/O HOSE STREAM TEST)	Doors	3,204/22.25	36	89

*Note: Individual lite sizes cannot exceed "Max. Exposed Area" shown above. Check with frame manufacturer for maximum tested glass sizes and required stop height.*

**GET IN TOUCH**

Request a quote, library sample, or speak to a specialist: 800-220-3749 | [fire@mcgrory.com](mailto:fire@mcgrory.com) | [mcgrory.com](http://mcgrory.com)