

*New!*

# Fire Doors with Style

*from Upstate Door to meet your customer's Fire Code requirement*



**D**istinctive Panel (both sides) Fire Doors now available to meet your fire code requirements. All square and curved top designs are available. All interior wood species are available.

Our Distinctive Panel Fire Doors meet the following specifications:

- ◆ Approved up to 20, 45, 60, and 90 minute doors
- ◆ 1 3/4" or 2 1/4" thickness available
- ◆ 20, 45, 60, and 90 minute wood jambs
- ◆ Jambs can be flat or rabbeted
- ◆ Metal rabbeted jambs available to meet 20, 45, 60, and 90 minute ratings
- ◆ All doors and wood jambs available in paint grade or stain grade
- ◆ FyreWerks core for all doors and wood jambs
- ◆ Certified through Intertek Testing Service.
- ◆ Warnock Hersey label

Visit our interior gallery on our web site or the interior door section of our catalog for just some of the Upstate's Fire Door options.

*Call or Email our Custom Door Experts to assist you.*

**FYREWERKS** Inc.

**UPSTATE DOOR**  
*Distinctive Door Solutions*

# Fire Doors *from* Upstate Door

## TECHNICAL SPECIFICATIONS

### OVERVIEW

- Fire Doors feature FyreWerks core materials
- Construction process certified by Intertek Warnock Hersey
- Applicable standards:
  - ▶ ASTM E-152-81a, UL10(c)(1998), UBC 7-2(1997), UL10(b)(1997)
  - ▶ NFPA 252(1999), ASTM E-2074(2000), CAN/ULC S104 1980 (R1985)

### FIRE DOOR RATINGS

- 20, 45, 60 and 90 minute

### FIRE DOOR CATEGORIES

- Category A:
  - ▶ FyreEdge concealed in edge of door
  - ▶ No added edge-sealing system required
  - ▶ Doors may have Smoke & Draft Control assemblies  
*Pemko HSS 2000 x S88 gasketing is recommended*
- Category B:
  - ▶ No FyreEdge in edge of door
  - ▶ Category "G" edge-sealing gasketing system  
*Pemko HSS 2000 x S88 is recommended*
  - ▶ Double doors: Category "G" gasket at meeting stiles  
*Pemko HSS 2000 x S88 is recommended*
  - ▶ Doors may have Smoke & Draft Control assemblies

**NOTE:** Double doors require FyreEdge on meeting stiles for both Category "A" & "B"

### FIRE RATED GLASS

	Max. Size	Max. Sq. In.
• 20 minute	30" x 54"	1296"
• 45 minute	26" x 48"	1248"
• 60 minute	10" x 25"	100"
• 90 minute	10" x 25"	100"

*Glass must not be within 5" of edge or opening (bore) or be in a panel*

### FIRE JAMB RATINGS

- 20 minute wood
  - ▶ Metal jamb available
- 45/60 minute wood
  - ▶ Metal jamb available
- 90 minute wood (single doors only)
  - ▶ Metal jamb for double doors

### PEEP HOLES SPEC

- Peep holes allowed if hardware is rated for fire doors



### FIRE RATED DOORS SIZE

	Maximum Size	Thickness	Stile	Top Rail	Bottom Rail
▶ 20 minute	3/6 x 8/0 single 7/0 x 8/0 pair	1 3/4" min.	5" min.	5" min.	6" min.
▶ 45 minute	4/0 x 8/0 single 7/0 x 8/0 pair	1 3/4" min.	4 1/4" min.	5" min.	6" min.
▶ 60 minute	4/0 x 8/0 single 7/0 x 8/0 pair	1 3/4" min.	4 1/4" min.	5" min.	8 1/4" min.
▶ 90 minute	4/0 x 8/0 single	1 3/4" min.	5" min.	5" min.	8 1/4" min.

### WOOD FRAME SIZE — SINGLE RABBET OR FLAT JAMB WITH APPLIED STOP

	Maximum Size	Min. Width	Min. Rabbet	Min. Stop Height	Min. Stop Width
▶ 20 minute	3/6 x 8/0 single ( <i>softwood</i> ) 5/6 x 8/0 pair ( <i>softwood</i> ) 4/0 x 9/0 single ( <i>hardwood</i> ) 8/0 x 9/0 pair ( <i>hardwood</i> )	4 5/8"	1 7/8"	1/2"	1 1/4"
▶ 45 minute	4/0 x 8/0 single	4 5/8"	1 7/8"	1/2"	1 1/4"
▶ 60 minute	3/6 x 8/0 single	4 5/8"	1 7/8"	1/2"	1 1/4"
▶ 90 minute	4/0 x 8/0 single	4 5/8"	1 7/8"	1/2"	1 1/4"

