



FIRE RATED

DOORS AND FRAMES

Fire rated doors and frames are manufactured and tested in accordance with standards of Underwriters Laboratories.

DOORS

ALL DOORS RECEIVE UNDERWRITERS LABORATORIES LISTING MARK

DOOR DESCRIPTION	RATING			MAXIMUM DOOR OPENING SIZES	250° TEMP. RISE	SINGLE SWING	PAIR SWING	14 GAUGE (.067)	16 GAUGE (.053)	18 GAUGE (.042)	LATCH THROW	LOCKSET	MORTISE	RIM	FIRE EXIT HARDWARE		OPEN BACK STRIKE	FLUSH BOLTS	WITH ASTRAGAL	WITHOUT ASTRAGAL (1 1/2 HR)
	3 HOUR CLASS A	1 1/2 HOUR CLASS B & D	3/4 HOUR CLASS C & E												CONCEALED VERT. ROD	SURFACE VERT. ROD				
BASIC FIRE DOOR	*	*	*	4'0x8'0	*	*		*	*	*	1/2"	*	*	*						
	*	*	*	4'0x10'0	*	*		*	*	*	3/4"	*	*	*						
	*	*	*	8'0x10'0	*	*	*	*	*	*	3/4"	*	*	*				(2)	*	*
	*	*	*	8'0x8'0	*	*	*	*	*	*	3/4"	*	*	*					*	*
	*	*	*	8'0x10'0	*	*	*	*	*	*	3/4"	*	*	*					*	*
DOUBLE EGRESS	*	*	*	8'0x10'0	*	*		*	*	*					*	*			*	*
STAINLESS STEEL	*	*	*	4'0x10'0	*	*		*	*	*	3/4"	*							*	*
	*	*	*	8'0x10'0	*	*		*	*	*							(2)	*	*	
DUTCH DOOR	*	*	*	3'6x7'6		*		*	*	*	3/4"	*							*	
LOUVERED DOORS (1)		*	*	4'0x10'0		*		*	*	*	1/2"	*							*	*
		*	*	8'0x10'0		*		*	*	*	3/4"	*							*	*
LEAD-LINED DOORS	*	*	*	4'0x8'0		*		*	*	*	1/2"	*							*	*
	*	*	*	8'0x7'2		*		*	*	*	3/4"	*							*	*
	*	*	*	8'0x8'0		*		*	*	*	3/4"	*							*	*
POSITIVE PRESSURE UBC 7-2 & UL 10C (3)	*	*	*	4'0x10'0	*	*		*	*	*	1/2"	*	*	*					*	*
	*	*	*	6'0x10'0	*	*		*	*	*	3/4"	*	*	*					*	*
	*	*	*	8'0x10'0	*	*		*	*	*	3/4"	*	*	*					*	*

Basic fire doors, double egress and stainless steel doors are available with prep for ceramic glazing as follows:
 3 Hour "A" label- Max. exposed glass up to 100 in². (No dimension shall exceed 33")
 1 1/2 Hour "B" label- Half glass up to 36"x56 1/2" or 2031 in² max.
 1 Hour "B" label, 3/4 Hour "C" label or 20 minute- Full glass up to 36"x89" or 3204 in² max.

Notes:

- Max. louver size 24"x24"
- Max. 8'0x7'2 1 1/2 Hour with OBS
- Includes Double Egress and Stainless Steel Doors

The intent of this chart is to provide general information only. All information subject to change, consult factory for latest information and specific data pertaining to individual job requirements.

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ALL FRAMES RECEIVE UNDERWRITERS LABORATORIES LISTING MARK

FRAME DESCRIPTION	RATING			MAXIMUM DOOR OPENING SIZES	SINGLE SWING	PAIR SWING	12 GAUGE (.093)	14 GAUGE (.067)	16 GAUGE (.053)	NEW MASONRY	EXISTING MASONRY	PRE-SET STUD	METAL STUD	WOOD STUD	HOSPITAL STOP	STAINLESS STEEL	MAXIMUM DOOR OR GLASS OPENING SIZE	MAXIMUM TRANSOM OPENING SIZE
	3 HOUR CLASS A	1 1/2 HOUR CLASS B & D	3/4 HOUR CLASS C & E															
THREE SIDED FRAMES ①	*	*	*	4'0x10'0 8'0x10'0	*	*	*	*	*	*	*	*	*	*	*	*		
DOUBLE EGRESS FRAMES	*	*	*	8'0x10'0		*	*	*	*	*			*	*		*		
TRANSOM FRAME WITH BAR 1 3/4" PANEL	*	*	*	3'6x11'0 7'0x10'0	*	*	*	*	*	*			*	*	*		3'6x7'2 3'6x7'2	3'6x7'2 7'0x3'0
TRANSOM FRAME WITH BAR SANDWICH PANEL	*	*	*	4'0x10'0 8'0x11'2	*	*	*	*	*	*			*	*	*		4'0x10'0 8'0x10'0	4'0x2'8 8'0x2'8
TRANSOM FRAME NO BAR 1 3/4" PANEL	*	*	*	4'0x11'4 8'0x11'2	*	*	*	*	*	*			*	*	*		4'0x9'0 8'0x8'0	4'0x4'6 7'0x4'0
MULTI-SWING DOOR FRAME		*	*	12'0x8'0	*	*	*	*	*	*					*		8'0x8'0	
THREE SIDED TWO PIECE FRAME		*	*	4'0x10'0	*			*	*				*					
THREE SIDED FRAME POSITIVE PRESSURE UBC 7-2 & UL 10C ②		*	*	4'0x10'0 8'0x10'0	*	*	*	*	*	*			*	*	*	*		

Refer to Fire Rated Frames With Glass, for additional information.

Notes:

- ① KDPF 4'0x8'0 max. for single door openings and 8'0x8'0 max. for double door openings
Max 1 1/2 hour rating
KDPF not available in stainless steel
- ② Includes double egress frames

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