

DOOR FIRE LABELLING GUIDE

GI-4

Max Rating	Max Door Nominal Size	Door Type	Thickness (Face Sheet)	Construction/Core			Material	Listing	Glazing	General Notes/Limitations		
				Single	Pairs	Double Egress						
3 HR	4'0" X 8'0"	LS	18, 16 ga.	X2	X2	X2	Steel	WHI	No Glazing Permitted			
		LS	18, 16 ga.	X3	X3	X3	Steel					
		CW	16, 14 ga.	X4	X4	X4	Steel					
	3'0" X 7'0"	EP	18, 20 ga.	X5	X5	-	Steel					
	4'0" X 7'0"	LS	18, 16 ga.	X1	-	-	Steel w/Stainless Steel Faces					
	4'0" X 7'2"	LS	18, 16 ga.	X2	-	-	Steel					
	4'0" X 8'0"	LS	18, 16 ga.	XTRR	XTRR	-	Steel					
	4'0" X 8'0"	LS	18, 16 ga.	X1, X3	-	-	Steel			UL	Up to 100 sq.in (Refer to KCMZ table of UL for listed glazing materials)	RATED
		LS	18, 16 ga.	X1, X3	-	-	Steel w/Stainless Steel Faces					STAINLESS STEEL
		CW	16 ga.	X4	-	-	Steel					
4'0 X 8'0"	LS	18, 16 ga.	XTRR	XTRR	-	Steel	TEMPERATURE RISE RATED					
1-1/2 HR	4'0" X 8'0"	LS	18, 16 ga.	X2	X2	X2	Steel	WHI	Up to 100 sq.in (Refer to KCMZ table of UL for listed glazing materials)			
	4'0" X 10'0"	LS	18, 16 ga.	X3	X3	X3	Steel					
		CW	16, 14 ga.	X4	X4	X4	Steel					
	5'0" X 12'0"	LS	18, 16 ga.	X3	X3	-	Steel					
		CW	16, 14 ga.	X4	X4	-	Steel					
	4'0" X 7'0"	LS	18, 16 ga.	X1	-	-	Steel w/Stainless Steel Faces					
	4'0" X 8'0"	LS	18, 16 ga.	X1, X3	X1, X3	-	Steel	UL	Up to 3534 sq.in (Refer to KCMZ table of UL for listed glazing materials)			
		LS	18, 16 ga.	X1, X3	X1, X3	-	Steel w/Stainless Steel Faces			STAINLESS STEEL		
		CW	16 ga.	X4	X4	-	Steel					
	3'6" X 7'2"	LS	18, 16 ga.	-	X1, X3	-	Steel					
		CW	16 ga.	-	X4	-	Steel			STAINLESS STEEL		
	5'0" X 12'0"	LS	18, 16 ga.	X3	X3	-	Steel					
CW		16 ga.	X4	X4	-	Steel						



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3/4 HR	4'0" X 8'0"	LS	18, 16 ga.	X2	X2	X2	Steel	WHI	Up to 1296 sq.in (Refer to KCMZ table of UL for listed glazing materials)	
		4'0" X 10'0"	LS	18, 16 ga.	X3	X3	X3			Steel
		CW	16, 14 ga.	X4	X4	X4	Steel			
	5'0" X 12'0"	LS	18, 16 ga.	X3	X3	-	Steel			
		CW	16, 14 ga.	X4	X4	-	Steel			
	4'0" X 7'0"	LS	18, 16 ga.	X1	-	-	Steel w/Stainless Steel Faces			STAINLESS STEEL
	4'0" X 8'0"	LS	18, 16 ga.	X1, X3	-	-	Steel	UL	Up to 3627 sq.in (Refer to KCMZ table of UL for listed glazing materials)	
		LS	18, 16 ga.	X1, X3	-	-	Steel w/Stainless Steel Faces			STAINLESS STEEL
		CW	16 ga.	X4	-	-	Steel			
	3'6" X 7'2"	LS	18, 16 ga.	-	X1, X3	-	Steel			
		LS	18, 16 ga.	-	X1, X3	-	Steel w/Stainless Steel Faces			STAINLESS STEEL
		CW	16 ga.	-	X4	-	Steel			
	5'0" X 12'0"	LS	18, 16 ga.	X3	X3	-	Steel			
		CW	16 ga.	X4	X4	-	Steel			

NOTES:

- X1** - Honeycomb Core
- X2** - Honeycomb, Polystyrene, or Polyurethane Core
- X3** - Steel-Stiffened (laminated) with Mineral Wool or Fiberglass Filler
- X4** - Steel-Stiffened (spot welded) with Mineral Wool or Fiberglass Filler
- X5** - Polystyrene Core
- XTRR** - Temperature Rise Rated

- Pair of doors up to 8'0" x 8'0" can be fire rated with or without astragal up to 3 hrs.
- Pair of doors over 8'0" height require astragal installed for fire rating.
- **Maximum nominal door size in 20 gauge is 3'0" x 7'0".**



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FRAME FIRE LABELLING GUIDE

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Max Rating	Max Rebate Size		Frame Type	Throat		Min Gauge	Face Size		Listing	Installation	General Notes / Limitations
	Single	Double		Min	Max		Min	Max			
3 HR	4'0" X 10'0"	8'0" X 10'0"	FRAME OR TRANSOM (Knocked Down or Welded) for 1 3/4" or 1 3/8" thick door.	3"	12"	16	1 1/4"	4"	UL / WHI	Drywall or Masonry	
1 1/2 HR	8'0" X 10'0" with Transom Door Opening size: 4'0" x 8'0" Transom Panel size: 8'0" x 2'0"		DOUBLE EGRESS FRAME STANDARD FRAME WITH TRANSOM (Fixed or Welded)	3 3/4"	12"	16	1 1/4"	4"	WHI	Drywall or Masonry	
	4'0" X 10'0"	8'0" X 10'0"	REGULAR FRAME including DOUBLE EGRESS FRAME (NAMM) J98016820	4"	12"	16	1 1/4"	4"	UL / WHI	Drywall or Masonry and Drywall butt application	
	4'0" X 8'0"	N/A	ADJUSTABLE/VARIABLE JAMB (NAMM) J98016820	3 1/2"	12"	16	1 1/4"	4"	UL / WHI	Drywall or Masonry	
	5'0" X 12'0"	10'0" X 12'0"	FRAME OVERSIZED (NAMM) TEST# 8	3"	12"	16	1 1/4"	4"	UL / WHI	Drywall or Masonry	
	12'8" X 8'2"		MULTI OPENING FRAME	3"	12"	16	1 1/4"	4"	WHI	Drywall or Masonry	
3/4 HR	Max overall size: 12'10"(W) X 11'4"(H)		SIDE LITE/SCREEN (NAMM) TEST# 5	3 1/2"	12"	16	1 1/2" 2"	4" 12"	UL / WHI	Drywall or Masonry	MULLION SILL
	10'6" X 9'8 1/2"		ANGLED SCREEN (NAMM) TEST# 7	3 1/2"	12"	16	1 1/2" 2"	4" 12"	UL / WHI	Drywall or Masonry	MULLION SILL
1 1/2 HR	4'0" X 8'0" SLIP ON 8'0 X 8'0 ADJ		VISION TEST	3 1/2"	12"	18	1 1/4"	4"	WHI	Drywall or Masonry	
	4'0" X 8'0"	8'0" X 8'0"	SPECIALTY PRODUCTS (STC 46/45)	3 3/4"	12"	18/16	1 1/4"	4"	WHI	Drywall or Masonry	
3 HR	4'0" X 8'0"	8'0" X 8'0"	SPECIALTY PRODUCTS (STAINLESS STEEL)	4 3/4"	12"	16	1 1/4"	4"	UL / WHI	Drywall or Masonry	



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