

## 2012 IBC Table 716.5 (previously 715.4)

### Opening Fire Protection Assemblies, Ratings and Markings

TYPE OF ASSEMBLY	REQUIRED WALL ASSEMBLY RATING (HRS.)	MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING (HRS.)	DOOR VISION PANEL SIZE	FIRE RATED GLAZING MARKING DOOR VISION PANEL <sup>e</sup>	Recommended SAFTI FIRST Product for Door Vision Panel (not in IBC – added for easy reference)	MINIMUM SIDELITE/TRANSOM ASSEMBLY RATING (HRS.)		FIRE RATED GLAZING MARKING SIDELITE/TRANSOM PANEL		Recommended SAFTI FIRST Product for Sidelite/Transom (not in IBC – added for easy reference)
						Fire Protection	Fire Resistance	Fire Protection	Fire Resistance	
Fire walls and fire barriers having a required fire resistance rating greater than 1 hour	4	3	Not Permitted	Not Permitted		Not Permitted	4	Not Permitted	W-240	
	3	3 <sup>a</sup>	Not Permitted	Not Permitted		Not Permitted	3	Not Permitted	W-180	
	2	1-1/2	100 sq. in <sup>c</sup>	≤100 sq. in. = D-H-90  >100 sq. in. =D-H-W-90	SuperLite X-90 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST  SuperLite II-XL 90	Not Permitted	2	Not Permitted	W-120	SuperLite II-XL 120
	1-1/2	1-1/2	100 sq. in <sup>c</sup>	≤100 sq. in. = D-H-90  >100 sq. in. =D-H-W-90	SuperLite X-90 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST  SuperLite II-XL 90	Not Permitted	1-1/2	Not Permitted	W-90	SuperLite II-XL 90
Shaft, exit enclosures and exit passageway walls	2	1-1/2	100 sq. in <sup>c,d</sup>	≤100 sq. in. = D-H-90  >100 sq. in. = D-H-T-90 or D-H-T-W-90	SuperLite X-90 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST  SuperLite II-XL 90	Not Permitted	2	Not Permitted	W-120	SuperLite II-XL 120

(continued on next page)

TYPE OF ASSEMBLY	REQUIRED WALL ASSEMBLY RATING (HRS.)	MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING (HRS.)	DOOR VISION PANEL SIZE	FIRE RATED GLAZING MARKING DOOR VISION PANEL <sup>e</sup>	Recommended SAFTI FIRST Product for Door Vision Panel (not in IBC – added for easy reference)	MINIMUM SIDELITE/TRANSOM ASSEMBLY RATING (HRS.)		FIRE RATED GLAZING MARKING SIDELITE/TRANSOM PANEL		Recommended SAFTI FIRST Product for Sidelite/Transom (not in IBC – added for easy reference)
						Fire Protection	Fire Resistance	Fire Protection	Fire Resistance	
Fire barriers having a required fire-resistance rating of 1 hour: Enclosures for shafts, exit access stairways, exit access ramp, interior exit stairways, interior exit ramps and exit passageway walls.	1	1	100 sq. in. <sup>c, d</sup>	≤100 sq. in. = D-H-60	SuperLite I-W SuperLite X-90 PYRAN Platinum F and L by SAFTI FIRST	Not Permitted	1	Not Permitted	W-60	SuperLite II-XL 60
				>100 sq. in. = D-H-T-60 or D-H-T-W-60	SuperLite II-XL 60					
						<b>Fire Protection</b>				
Other Fire Barriers	1	3/4	Maximum Size Tested	D-H-NT-45	SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST	3/4		D-H-NT-45		SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST
Fire Partitions / Corridor Walls	1	1/3 <sup>b</sup>	Maximum Size Tested	D-20	SuperLite I & I-XL SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST	3/4 <sup>b</sup>		D-H-OH-45		SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST
	0.5	1/3 <sup>b</sup>	Maximum Size Tested	D-20	SuperLite I & I-XL SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST	1/3		D-H-OH-20		SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST
Other Fire Partitions	1	3/4	Maximum Size Tested	D-H-45	SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST	3/4		D-H-45		SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST
	0.5	1/3	Maximum Size Tested	D-H-20	SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST	1/3		D-H-20		SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST

(continued on next page)

TYPE OF ASSEMBLY	REQUIRED WALL ASSEMBLY RATING (HRS.)	MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING (HRS.)	DOOR VISION PANEL SIZE	FIRE RATED GLAZING MARKING DOOR VISION PANEL <sup>e</sup>	Recommended SAFTI FIRST Product for Door Vision Panel (not in IBC – added for easy reference)	MINIMUM SIDELITE/TRANSOM ASSEMBLY RATING (HRS.)		FIRE RATED GLAZING MARKING SIDELITE/TRANSOM PANEL		Recommended SAFTI FIRST Product for Sidelite/Transom (not in IBC – added for easy reference)
						Fire Protection	Fire Resistance	Fire Protection	Fire Resistance	
Exterior Walls	3	1-1/2	100 sq. in. <sup>c</sup>	≤100 sq. in. = D-H-90 >100 sq. in. =D-H-W-90	SuperLite X-90 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST  SuperLite II-XL 90	Not Permitted	3	Not Permitted	W-180	
	2	1-1/2	100 sq. in. <sup>c</sup>	≤100 sq. in. = D-H-90 >100 sq. in. =D-H-W-90	SuperLite X-90 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST  SuperLite II-XL 90	Not Permitted	2	Not Permitted	W-120	SuperLite II-XL 120
						<b>Fire Protection</b>				
	1	3/4	Maximum Size Tested	D-H-45	SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST	3/4		D-H-45		SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST
Smoke Barriers						<b>Fire Protection</b>				
	1	1/3 <sup>b</sup>	Maximum Size Tested	D-20	SuperLite I & I-XL SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST	3/4		D-H-OH-45		SuperLite II-XL 45 SuperLite I-W PYRAN Platinum F and L by SAFTI FIRST

For SI: 1 square inch – 645.2 mm

- a. Two doors, each with a fire protection rating of 1-1/2 hours, installed on opposite sides of the same opening in a fire wall, shall be deemed equivalent in fire protection rating to one 3-hour fire door.
- b. For testing requirements, see Section 716.6.3
- c. Fire resistance rated glazing tested to ASTM E119 in accordance with Section 716.2 shall be permitted, in the maximum size tested.
- d. Except where the building is equipped throughout with an automatic sprinkler and the fire-rated glazing meets the criteria established in Section 716.5.5.
- e. Under the column heading “Fire rated glazing marking door vision panel”, W refers to the fire-resistance rating of the glazing, not the frame.