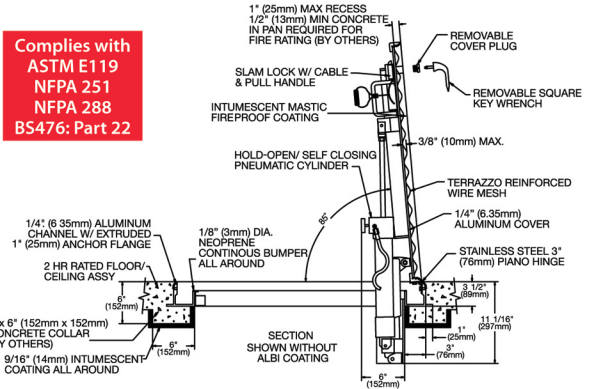


Type FR Fire-Rated Floor Door



Complies with
ASTM E119
NFPA 251
NFPA 288
BS476: Part 22



Description:

Maintains the fire rating of a 2-hour floor/ceiling assembly where access is required between building floors. Features include an optional UL Listed automatic closing system, intumescent fire resistant coating and a pan cover designed to accept architectural flooring materials.

Specifications:

Material

Cover and frame are 1/4" (6.35mm) aluminum

Cover

Aluminum plate reinforced for 150 psf (732 kg/m²) live load. Intumescent fire coating applied to the underside of the cover. Designed with 1" (25.4mm) fillable pan for field installation of architectural flooring material up to 1/2" (12.7mm) thickness (specify flooring material including type, thickness and weight). The remaining depth must be filled with concrete to maintain the fire rating of the door assembly (if finish flooring is not desired, the pan must be filled with 1" (25.4mm) of concrete).

Frame

Extruded aluminum frame with built-in anchor flange around the perimeter Intumescent fire coating applied on the interior surfaces of the frame

Hinges

Continuous heavy-duty Type 316 stainless steel hinge

Latch

Pneumatic self closing system that automatically closes the door in the event of a fire when heat parts a UL-listed 165°F (74°C) fusible link

Lift Assistance

Compression spring operators enclosed in telescopic tubes. Mechanical hold-open system with release button automatically holds the cover in the open position.

Performance Ratings

Tested in accordance with ASTM E119, NFPA 251, NFPA 288, BS476: Part 22 and UL-listed (File R15197) as having a 2-hour fire rating when exposed to fire from the underside

Finish

Mill finish aluminum with a bituminous coating applied to the exterior of the frame

Hardware

Engineered composite compression spring tubes. Steel compression springs. Type 316 stainless steel hinges. All other hardware is zinc plated/chromate sealed.



Self-closing mechanism
Automatically closes the door in the event of a fire. Door remains firmly closed to prevent the spread of fire between building floors.



Standard Sizes and Weights

SIZE		ALUMINUM				
(width x length)		Model #	Clear Opening		Weight	
inches	mm		inches	mm	lbs.	kg.
30 x 30	762 x 762	FR-2	29 x 23.75	736 x 603	271	123
36 x 30	914 x 762	FR-3	35 x 23.75	889 x 603	277	126
36 x 36	914 x 914	FR-4	35 x 29.75	889 x 755	326	148
42 x 42	1067 x 1067	FR-5	40 x 35.75	1016 x 908	368	167
30 x 48	762 x 1219	FR-6	29 x 41.75	736 x 1060	328	149

Specify Type FR-LC if closing mechanism is not required by local fire authorities having jurisdiction