



LISTING INFORMATION OF  
**AD Systems 45 Minute Sliding Fire Door Assembly**  
SPEC ID: 44151

AD Systems  
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Everett, WA 98204  
United States

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## LISTING INFORMATION

### PRODUCT DESCRIPTION

AD Systems 45 Minute Sliding Fire Door Assembly is a singly sliding flush fire door with top support track and aluminum jambs. Intended use in fire walls of steel or wood stud and gypsum board construction and masonry openings. For use with a VT Industries Listed and Labeled UL10B 45 Minute Category "A" mineral core fire door. Assembly has been designed for installation with a 3/8 inch gap between finished floor and bottom of door. Available with optional accessories: Listed viewers, Listed vision lights to maximum size 100 in<sup>2</sup>, and Listed mortised door bottoms. Assembly shall be installed per manufacturers installation instructions and in accordance with NFPA 80.

Size Limitation:

Maximum Nominal Width: 4'-0"

Maximum Nominal Height: 7'-0"

Dimensions		
Configuration	Width	Height
Clear Opening	40-1/2"	83-3/8"
Door Leaf	48"	84"
Rough Opening	47"	84-3/8"
Overall Frame	94-3/8"	87-7/8"

### Ratings Achieved

The product noted above has been tested and qualified per UL 10B, NFPA 252, and CAN/ULC S104 for a 45 Minute Neutral Pressure Fire Rating.

The assembly has been tested in accordance with UL 1784 and achieved results in accordance with the table below. Results were achieved at four differential pressures ranging from 0.05 to 0.3 in. water column (12 to 75 Pa).

### Air Leakage Ratings

Pressure (inches H <sub>2</sub> O)	Maximum Leakage Rate (scfm/ft <sup>2</sup> ) Ambient Temperature (without artificial bottom seal)	Maximum Leakage Rate (scfm/ft <sup>2</sup> ) Elevated Temperature (400°F) (without artificial bottom seal)	Maximum Leakage Rate (scfm/ft <sup>2</sup> ) Ambient Temperature (with artificial bottom seal)	Maximum Leakage Rate (scfm/ft <sup>2</sup> ) Elevated Temperature (400°F) (with artificial bottom seal)
0.05	4.08	1.05	0.93	0.47
0.10	5.97	2.68	1.62	0.89
0.20	9.31	4.02	2.39	0.83
0.30	12.38	4.61	3.56	0.91

Standard/Code Section	Property	Results
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UL 1784	Max. air leakage at 0.1 and 0.2 in. of w.c. pressure differential at ambient and elevated (400°F) temperature.	< 3.0 cfm/ft <sup>2</sup> as tested with an artificial bottom seal *
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\* Note: This assembly was tested with an artificial bottom seal. The assembly is not to be installed in areas where pressurization is provided to control smoke movement in accordance with Section 4.3.2 of NFPA 105 (2019) or for hoistway opening protection and lobby doorways where prohibited in Chapter 30 of the 2018 IBC.

Attribute	Value
Criteria	UL 1784 (2015)
Criteria	CAN / ULC S104 (2015) (R2020)
Criteria	NFPA 252 (2017)
Criteria	UL 10(b) (2008) (R2020)
CSI Code	08 14 00 Wood Doors
Fire Resistance	45 Min Neutral Pressure
Listing Section	CATEGORY D - DOOR/FRAME ASSEMBLIES
Spec ID	44151