



LISTING INFORMATION OF

**McKEON Series S4000, S9000 and S7000 Side Coiling and
Side Acting Steel Fire Door (Slats) with or without Integral
Proprietary Swing Doors**

SPEC ID: 29541

McKEON
44 Sawgrass Drive
Bellport, NY 11713
United States

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LISTING INFORMATION

FIRE RESISTANT PRODUCTS & COMPONENTS

DOORS - ROLLING STEEL

Products Covered

- S4000, S9000 and S7000 models are non-insulated and only fire rated.
- S4000-IS, S9000-IS and S7000-IS models are insulated and fire rated but not temperature rise rated.
- S4000-TR, S9000-TR and S7000-TR models are insulated, temperature rise rated, and fire rated.

Product Description

Horizontally sliding, side coiling, side acting, vertical slat coil fire door assembly with or without integral swinging doors. Can be coil on one side or center parting. Steel stud drywall or masonry construction. May incorporate vision panels.

Alternate Bi-Parting Door Configuration: An alternate bi-parting door configuration consisting of a McKeon Series S4000, S9000 and S7000 Side Coiling and Side Acting Steel Fire Door and a McKeon Series AC8000 Accordion Fire Door is allowed. The McKeon Door Series with the most stringent restrictions and limitations, including size, will be applied for this alternate bi-parting door configuration.

Rating

Certified to UL 10B, NFPA 252, and CAN/ULC S104 for fire ratings of 3 hours, 1-1/2 hours, 1 hour, and 3/4 hour.

Models S4000-TR, S9000-TR and S7000-TR also qualify for the following temperature rise ratings:

- 450 degree Fahrenheit maximum temperature rise rating at 30 minutes when two units are installed back to back on both the inner and outer side of a masonry or drywall opening.
- 650 degree Fahrenheit maximum temperature rise rating at 30 minutes when used singly in a masonry or drywall opening.
- Please note, if an Integral Proprietary Swinging Door is used in conjunction with the McKeon Series S4000-TR, S9000-TR, or S7000-TR Side Coiling and Side Acting Steel Fire Doors, the integral swinging doors must also bear a temperature rise rating equal to or better than the respective temperature rise ratings noted above.

AIR LEAKAGE RATINGS

Test Standard	Test Type	Rating ^a
UL 1784	Ambient Temperature	$\leq 3.0 \text{ cfm}/\text{ft}^2$ at up to 0.10 in. of w.c.
UL 1784	Elevated Temperature	$\leq 3.0 \text{ cfm}/\text{ft}^2$ at up to 0.10 in. of w.c.

^aThese assemblies were evaluated **without the use of an artificial bottom seal**. When installed with the manufacturer-provided brushes and sweeps, they may be installed in areas where pressurization is provided to control smoke movement in accordance with Section 4.3.2 of NFPA 105 and for hoistway opening protection and lobby doorways as allowed in Chapter 30 of the IBC. For installations exclusive of hoistway opening

protection and lobby doorways, and where pressurization is not used to control smoke movement, seals at the bottom edges of the assemblies are optional.

SIZE LIMITATIONS

Certification Procedure	Maximum Area	Maximum Height	Maximum Width
LABEL	135 sq ft	10 ft	13.5 ft
CERTIFICATE/LABEL	Unlimited*	Unlimited*	Unlimited*

*The AHJ may approve "oversize" doors with no size limitation based on an oversized certificate/label that states the door supplied is constructed in accordance with the certified design except for the size.

CODE COMPLIANCE RESEARCH REPORT

Evaluation Method	Building Code	CCRR Number
NFPA 252 UL 10B UL 1784	2024, 2021, 2018 IBC 2024, 2021, 2018 IFC 2023, 2020 FBC 2022 CBC 2023 LABC 2022 NYCBC	CCRR-1086

Attribute

Attribute	Value
Certificate Date of Expiry	December 31, 2026
Certificate Date of Initial Registration	September 9, 2019
Certificate Number	WHI19-20384309
Criteria	UL 1784 (2015)
Criteria	CAN / ULC S104 (2015) (R2020)
Criteria	UL 10(b) (2008) (R2015)
Criteria	NFPA 252 (2022)
CSI Code	08 11 00 Metal Doors and Frames
CSI Code	08 10 00 Doors and Frames
CSI Code	08 35 13.23 Accordion Folding Fire Doors
Fire Resistance	3 Hour Fire Rated
Listing Section	DOORS - ROLLING STEEL
Listing Section	SMOKE CONTROL DOOR ASSEMBLIES
Spec ID	29541
Temperature Rise	@ 30 Min = 650° F MAX Where Lites Do Not Exceed 100 IN2
Temperature Rise	@ 30 Min = 450° F MAX Where Lites Do Not Exceed 100 IN2