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LISTING INFORMATION OF

McKEON Safescape T2000/T5000/TU5000 Series Vertical Rolling Steel Fire Door with Integral Proprietary Swing Doors

SPEC ID: 29544

McKEON
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Bellport, NY 11713
United States

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LISTING INFORMATION

PRODUCT COVERED
Safescape T2000/T5000/TU5000 Series

PRODUCT DESCRIPTION
Vertical rolling steel fire door assemblies with integral swinging doors for installation in gypsum and structural steel stud, gypsum-protected CLT (see limitations below), or masonry construction. May be insulated or non-insulated. May incorporate vision panels. TU5000 pair swinging doors require 4 point latching.

FIRE RATINGS

- One non-insulated T2000/T5000/TU5000 unit installed singly – 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.
- One insulated T2000-IS/T5000-IS/TU5000-IS unit installed singly – 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.
- One insulated T2000-TR/T5000-TR/TU5000-TR unit installed singly – Certified to UL 10B, NFPA 252, and CAN/ULC S104 for fire ratings of 1-1/2 hours, 1 hour, and 3/4 hour. 650 degree Fahrenheit maximum temperature rise rating at 30 minutes when used in a masonry, gypsum-protected CLT (see limitations below), or drywall and structural steel stud opening.
- Two insulated T2000-TR/T5000-TR/TU5000-TR units installed back-to-back with a minimum wall thickness (air gap) of 13 inches between the door assemblies - 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. 250 degree Fahrenheit maximum temperature rise rating at 30 minutes when used in a masonry, gypsum-protected CLT (see limitations below), or drywall and structural steel stud opening.
- Please note, if an Integral Proprietary Swinging Door is used in conjunction with a T2000-TR/T5000-TR/TU5000-TR insulated unit, 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	≤3.0 cfm/ft^2 at up to 0.10 in. of w.c.
UL 1784	Elevated Temperature	≤3.0 cfm/ft^2 at up to 0.10 in. of w.c.

[a]These assemblies were evaluated **without the use of an artificial bottom seal.** When installed with the manufacturer-provided brushes and neoprene bottom seal, 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.

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 2025, 2022 CBC	CCRR-1086

	2023 LABC 2022 NYCBC	

SIZE LIMITATIONS

Certification Procedure	Maximum Area	Maximum Width	Maximum Height
LABEL	156 sq ft	13'-0"	12'-0"
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.

INSTALLATION LIMITATIONS

Assemblies may be installed in gypsum with structural steel stud, masonry, or gypsum-protected Cross Laminated Timber (CLT) walls. When installed in gypsum-protected CLT walls, the following conditions apply:

- Supporting CLT wall must be fire-resistance-rated in accordance with the code.
- Noncombustible protection shall be in accordance with the code, but not less than:
  - Two layers of 5/8-inch Type X gypsum per face for walls required to have a fire-resistance rating of 2 hours or less.
  - Three layers of 5/8-inch Type X gypsum per face for walls required to have a fire-resistance rating of 3 hours or more.
- Assemblies bearing a fire-protection rating of 90 minutes or less shall be designed with an additional sacrificial 1 inch of anchorage embedment depth or be through-bolted.
- Assemblies bearing a fire-protection rating of 2 or 3 hours shall use through-bolted anchorage.

Attribute	Value
Certificate Date of Expiry	December 31, 2027
Certificate Date of Initial Registration	March 29, 2019
Certificate Number	WHI19–20384303
Code Reports	Yes
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 30 00 Specialty Doors and Frames
CSI Code	08 35 13.23 Accordion Folding Fire Doors
Fire Resistance	3 Hour Fire Rated
Fire Resistance	90 Minute Fire Rated
Intertek Services	Certification
Intertek Services	Code Compliance Research Report
Issue Status	15

Listed or Inspected	LISTED
Listing Section	DOORS - ROLLING STEEL
Listing Section	SMOKE CONTROL DOOR ASSEMBLIES
Report Number	14376-231, 3064271, 3095113, 3188620,, 106163502 100506561, 100904711, 102273405, 105476021, 105850951, G106354797
Spec ID	29544
Verification Testing	No