



LISTING INFORMATION OF

McKEON FireFighter® Model D200 and D200E 3 Hour Fire & Smoke Barrier

SPEC ID: 29655

McKEON
44 Sawgrass Drive
Bellport, NY 11713
United States

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LISTING INFORMATION

McKEON FireFighter® Model D200 and D200E Curtain Assemblies are for use as fire and smoke barrier curtain assemblies when installed in a 3-hour steel stud/gypsum, gypsum-protected CLT (see limitations below), or masonry wall. Model D200 assemblies may contain curtain overlaps. Model D200E assemblies may contain overlaps and/or passage doors sealed with a hook & loop fastener. See below for ratings and limitations.

FIRE RATINGS

Test Standard	Rating
UL 10D	180 minutes
UL 10B, UL 10C, NFPA 252	20 minutes without hose stream

AIR LEAKAGE RATINGS

Test Standard	Test Type	Rating ^{a, b}
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.

^aThis assembly was evaluated without the use of an artificial bottom seal and 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.

^bA pair of two-inch brushes are required at the head of the curtain to meet air leakage ratings, a single one-inch brush at each side guide is optional based on test results. Brushes must be listed & labeled for fire applications.

CODE COMPLIANCE RESEARCH REPORT

Evaluation Method	Building Code	CCRR Number
UL 10B	2021, 2018, & 2015 IBC	CCRR-0455
UL 10C	2021, 2018, & 2015 IFC	
UL 10D	2020 FBC	
UL 1784	NFPA 101	

MAXIMUM SIZE LIMITATIONS

Certification Procedure	Maximum Area	Maximum Width	Maximum Height
LABEL (with overlap)	93.44 sq ft	9'-8"	9'-8"
LABEL (without overlap)	143 sq ft	13'-0"	11'-0"
CERTIFICATE/LABEL	unlimited*	unlimited*	unlimited*

*Assemblies exceeding these dimensions must have an oversize label, issued by Intertek, stating the assembly is constructed in accordance with the certified design except for size. Acceptance of the oversize assembly is at the discretion of the Authority Having Jurisdiction.

MINIMUM SIZE LIMITATIONS (UL 1784 ONLY)*

Width	Height
7' 0"	7' 0"

*Fire-only assemblies do not have a minimum 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.

Minimum Curtain Overlap (when present): 23-5/8"

Minimum Bottom Bar weight: 0.30 lbs per sq. ft. of curtain area

Maximum Curtain Rivet spacing: 15" on-center

Maximum Hook & Loop length: 8' 0"

Stainless Steel Hook & Loop required for fire applications

Side Guide anchorage: 1/4" anchors spaced maximum 18" on-center

Top Hood/Assembly mounting: maximum 40" on-center

Attribute	Value
Certificate Date of Expiry	December 31, 2024
Certificate Date of Initial Registration	March 21st, 2016
Certificate Number	WHI16-20384301
Code Reports	Yes
Criteria	UL 10(c) (2009)
Criteria	UL 10(b) (2008) (R2009)
Criteria	UL 10(d) (2009)
Criteria	UL 1784 (2015)
Criteria	NFPA 252 (2017)
CSI Code	08 30 00 Specialty Doors and Frames
Intertek Services	Certification
Intertek Services	Code Compliance Research Report
Issue Status	6
Listed or Inspected	LISTED
Listing Section	SMOKE CONTROL DOOR ASSEMBLIES
Report Number	G100074822, G101038400, G102521549, G104255393, G104301651, G104446027, G104599370, G104986323
Spec ID	29655
Verification Test Type	ASTM E1252
Verification Testing	YES
Verification Testing Lab	MID - Middleton, WI