



LISTING INFORMATION OF
**McKEON SmokeFighter® Model D500S Smoke and Draft
Curtain Assembly with Intermediate Fasteners**
SPEC ID: 53562

McKEON
44 Sawgrass Drive
Bellport, NY 11713
United States

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LISTING INFORMATION

The McKEON SmokeFighter® Model D500S system is for use as a smoke barrier curtain assembly.

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 (2019) and for hoistway opening protection and lobby doorways as allowed in Chapter 30 of the 2021 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.

SIZE LIMITATIONS

Minimum Size	Maximum Size ^a
7'0" tall x 7'6" wide	48'0" tall x 500'0" wide

^aOversize labels are not required for this assembly. Assembly dimensions must comply with the minimum and maximum values listed above

CODE COMPLIANCE RESEARCH REPORT

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

The McKEON SmokeFighter Model D500S system comprises a 22-gauge head box, MCK4415 smoke & draft curtain, McKEON 1047 Intermediate Fastener system (when used), 14-gauge side rails, 14-gauge bottom bar, and nylon brushes attached to head box and guides.

The McKEON Intermediate 1047 Fastener system is used to join vertical edges of multiple MCK4415 fabric panels to create larger panels. The fastener system must be spaced with a minimum of 1 lineal foot of curtain between fasteners.

Minimum Curtain Overlap: 15.75"

Minimum Bottom Bar weight: 0.30 lbs per sq. ft. of curtain area or 3.9 lb/ft of length, whichever is greater

Maximum Curtain Rivet spacing: 15" on-center

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

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

The SmokeFighter Model D500S system must be installed per manufacturer's instructions.

Attribute	Value
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Certificate Date of Expiry	December 31, 2023
Certificate Date of Initial Registration	April 23, 2020
Certificate Number	WHI20-20384308
Code Reports	Yes
Criteria	UL 1784 (2015)
CSI Code	08 30 00 Specialty Doors and Frames
Intertek Services	Certification
Intertek Services	Code Compliance Research Report
Issue Status	3
Listed or Inspected	LISTED
Listing Section	SMOKE CONTROL DOOR ASSEMBLIES
Report Number	G100074822, G102718261, G104078807, G104255393, G104986323
Spec ID	53562
Verification Test Type	ASTM E1252
Verification Testing	YES
Verification Testing Lab	MID - Middleton, WI