

# AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report(s). This authorization also applies to the Multiple Listee model(s) identified on the correlation page of the Listing Report.

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**Applicant:** McKeon Rolling Steel Door Company, Inc. dba McKeon Door Company  
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**Party Authorized to Apply Mark:** See following page(s)

**Evaluation Center:** Intertek (Middleton)

**Client Number:** 203843

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Authorized By:   
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This document supersedes all previous Authorizations to Mark for the noted Report Number.

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<b>Testing Standard(s):</b>	UL 1784 (2015)
<b>Product:</b>	McKeon Smoke and Draft Curtain Assembly with Intermediate Fasteners Model D500S

**ATM for Report:** G100074822, G102718261, G104078807,  
G104255393

**ATM Issue Date:** 8/3/2020

**Listing Section(s):** SMOKE CONTROL DOOR ASSEMBLIES

**CSI Code(s):** 08 30 00 Specialty Doors and Frames

**Description:**

The McKeon Model D500S system is for use as a smoke barrier curtain assembly.

**AIR LEAKAGE RATINGS**

Test Standard	Test Type	Rating <sup>a, b</sup>
UL 1784	Ambient Temperature	≤3.0 cfm/ft <sup>2</sup> at up to 0.10 in. of w.c.
UL 1784	Elevated Temperature	≤3.0 cfm/ft <sup>2</sup> at up to 0.10 in. of w.c.

<sup>a</sup>This 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 2018 IBC.

<sup>b</sup>A 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 <sup>a</sup>
7'0" tall x 7'6" wide	48'0" tall x 500'0" wide

<sup>a</sup>Oversize labels are not required for this assembly. Assembly dimensions must comply with the minimum and maximum values listed above

The McKeon Model D500S system comprises a 22-gauge head box, McKeon 4415-2-SP 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 McKeon 4415-2-SP 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 Model D500S system must be installed per manufacturer's instructions.

**Party(s) Authorized by Manufacturer To Apply Mark:**  
None

**Party(s) Authorized by Other Parties To Apply Mark:**  
None

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