



LISTING INFORMATION OF
Stoebich Fire & Smoke Curtain HC
SPEC ID: 34200

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LISTING INFORMATION

Stoebich Fire & Smoke Curtain HC is designed for use as a protective horizontal fire¹ and vertical smoke and draft-control² assembly for rated deployable curtain applications. All curtain assemblies are equipped with side guides and rods, and an interlocking receiving edge that functions to seal the curtain to the end track. The HC curtain assemblies are constructed utilizing the Heliotex EW 120 fabric.

The system is powered by standard AC power. Some models can also be equipped with a battery back-up system that is recharged from the electronic controls. The electronic controls have system diagnostics and fault deploy features and (where applicable) battery monitoring.

The system is deployed upon a signal from the local smoke detection system located in the area being protected³. After the alarm condition clears, the curtain automatically rewinds into the housing.

FIRE RATINGS for Horizontal and Vertical Applications

Test Standard	Description	Results
UL10d	Standard for Fire Tests of Fire-Protective Curtain Assemblies	120 minutes (positive pressure)
NFPA 252 and UL 10b	Standard for Fire Tests of Door Assemblies	20 minutes (without hose stream)
UL 10C	Standard for Positive Pressure Fire Tests of Door Assemblies	20 minutes (without hose stream)

NOTE: Acceptance of these ratings is ultimately at the discretion of the Authority Having Jurisdiction.

¹Maximum opening size for horizontal fire-rated applications: 5.4 m (212.59 in.) wide x 5.49m (216.14 in.) high [Intertek will make oversize curtain certificates/labels available to Stoebich as needed. These require Stoebich to fill out information regarding the curtains on a job by job basis and allow an Intertek inspector to verify that the curtains for which these certificates are issued are built to the specified design.]

²Maximum opening size for vertical air leakage applications: 17 ft. 8 ½-in. wide x 18 ft. high.

³Operational closing speed: minimum 6 in./sec. and maximum 24 in./sec.

AIR LEAKAGE RATINGS for Vertical⁴ Applications

Standard / Code Section	Description	Results
UL 1784	Standard for Air Leakage Tests of Door Assemblies	Complies for vertical openings ≤7-ft. wide x ≤7-ft. high
2009 IBC Section 711.5.2 and 2012 IBC Section 710.5.2.2 (Air Leakage Requirement)	Max. air leakage: ≤ 3 cfc per sq.ft. of opening at 0.1 in. of w.c. pressure differential at ambient temperature.	Complies for vertical openings >7-ft. but ≤ 17 ft. 8 ½-in. wide x >7-ft. ≤ 18 ft. high
2009 IBC Section 711.5.2 and 2012 IBC Section 710.5.2.2 (Air Leakage Requirement)	Max. air leakage: ≤ 3 cfc per sq.ft. of opening at 0.1 in. of w.c. pressure differential at 400 degrees F.	Complies for vertical openings >7-ft. but ≤ 17 ft. 8 ½-in. wide x >7-ft. ≤ 18 ft. high

For vertical applications of the Stoebich Fire & Smoke Curtain HC system, the following modifications are necessary to maintain the UL 1784 air leakage rating specified by this listing:

- Pop rivet 2" wide piece of curtain material to the receiving edge/channel as a seal.

- Openings at the trailing edge of the side guides shall be filled with mineral wool insulation and sealed with foil tape or filled with mineral wool insulation and covered with sealed steel end caps.
- Add Frost King SS20BR or dimensionally equivalent silicone tear drop seal to both side guides (applied to the stop).
- A 2" by 3" block of mineral wool shall be placed at receiving edge to facilitate sealing
- Add doubled over piece of curtain material to top edge (opposite side of coil).

⁴Horizontal curtain applications have not been tested to determine an air leakage rate.

Attribute	Value
Certificate Date of Expiry	October 30, 2024
Certificate Date of Initial Registration	October 30, 2019
Certificate Number	WHI19-12312312
Criteria	UL 10(c) (2009)
Criteria	UL 1784 (2009)
Criteria	UL 10(b) (2009)
Criteria	UL 10(d) (2009)
Criteria	NFPA 252 (2012)
Criteria	UL 1784 (2015)
Criteria	UL 10(d) (2014)
Criteria	UL 10(c) (2016)
Criteria	UL 10(b) (R2015)
Criteria	NFPA 252 (2017)
CSI Code	08 30 00 Specialty Doors and Frames
CSI Code	07 87 00 Smoke Containment Barriers
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	SMOKE CONTROL DOOR ASSEMBLIES
Spec ID	34200