



## LISTING INFORMATION OF Smoke Guard® Model 400

SPEC ID: 24744

Smoke Guard, Inc.  
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Smoke Guard®, Model No. 400

Testing Standard(s): ASTM-E84, UL-1784 and ICBO-ES (aka ICC-ES) AC77.

**System Description:** The Smoke Guard system Model 400 (M400) creates a code compliant smoke and draft control assembly when paired with common fire-rated elevator doors. The Smoke Guard system screen consists of a reinforced, transparent, polyimide film. The film edge is connected to flexible magnetic strips which adhere to ferrous metal rails as the system deploys creating a tight seal.

The Smoke Guard system includes a control system consisting of a printed circuit board containing the control, alarm and diagnostic logic. The M400 uses standard building power. It also features a continuously charged DC battery backup system that can operate the system for up to seven days without the presence of AC for recharging.

Overwidth applications (curtain applications wider than 69 inches) require installation of additional components.

**System Operation:** The Smoke Guard system is designed specifically to protect elevator openings and the shaft from vertical smoke migration. The system will deploy only when the smoke detector in front of that particular elevator opening goes into alarm.

**Evaluated to the following:**

Unless otherwise noted, products listed in this section have been evaluated for conformance to: ASTM E84, UL1784 and ICBO-ES AC77 (Section 4.3.1.6).

Standard	Description	Results
UL 1784	Standard for Air Leakage Tests of Door Assemblies	
	Max. air leakage: ≤3 cfm per sq.ft. of opening at 0.1 in. of w.c. pressure differential @ ambient 95°F	Complies
	Max. air leakage: ≤3 cfm per sq.ft. of opening at 0.1 in. of w.c. pressure differential @ 400°F	Complies
ICBO-ES AC77 Section 4.3.1.6	Acceptance Criteria for Smoke-Containment Systems Used with Fire-Resistive Elevator Hoistway Doors and Frames (100-cycle curtain deployment test)	Complies

All products are identified by a label or marking bearing the product description, test standard(s) and the Intertek WHI Certification Mark

<u>Attribute</u>	<u>Value</u>
CSI Code	07 87 00 Smoke Containment Barriers
Listed or Inspected	LISTED
Report Number	11420-108157; 11420-108228; 100258120SAT-002 Rev. 1 QCM
Criteria	UL 1784 (2001)
Criteria	ICC-ES AC77 (2008)
Criteria	UL 1784 (2009)
Criteria	ASTM E84 (2010)
Criteria	ASTM E84 (2010b)
Criteria	ASTM E84 (2000a)
Criteria	UL 1784 (1990)
Intertek Services	Certification
Listing Section	BUILDING MATERIALS WITH SURFACE BURNING CHARACTERISTICS
Listing Section	CATEGORY H - SMOKE & DRAFT CONTROL GASKETING

