



LISTING INFORMATION OF Smoke Guard® Model 600

SPEC ID: 24609

Smoke Guard, Inc.
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Smoke Guard® System, Model No. 600.

System Description: The Smoke Guard system model 600 (M600) 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 M600 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.

As the lobby smoke detector goes into alarm, the elevator sill automatically return to the recall floor. If an elevator occupant were to encounter a deployed M600, a screen reset switch located on both sides of the screen will allow for egress. If smoke is still actively being detected, the screen will then redeploy to seal the opening.

Installation: All Smoke Guard system units are installed by factory recognized personnel. There is minimal preparation work. Installation requires a clear, plumb, unobstructed wall surface above the hoistway door, 120v AC power and a UL 268 conforming smoke detector.

Evaluated to the following:

Unless otherwise noted, products listed in this section have been evaluated for conformance to: ASTM E84 (CAN/ULC-S102); UL1784; and ICC-ES AC77 (Section 3.4.1).

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
ICC-ES AC77, Section 3.4.1	Cyclic Movement of Smoke Curtain Systems (100 cycles)	Complies

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

<u>Attribute</u>	<u>Value</u>
CSI Code	07 87 00 Smoke Containment Barriers
Listed or Inspected	LISTED
Report Number	11420-108793; 11420-108288; 100258109SAT-005 Rev.1 QCM; 100258109SAT-006 Rev. 1; 100258109SAT-008
Criteria	UL 1784 (2004)
Criteria	ICC-ES AC77 (2008)
Criteria	ASTM E84 (2010b)
Intertek Services	Certification
Classification - Flame Spread Index	0
Classification - Smoke Developed Index	5
Listing Section	BUILDING MATERIALS WITH SURFACE BURNING CHARACTERISTICS
Listing Section	CATEGORY H - SMOKE & DRAFT CONTROL GASKETING

