

**SECTION 08 3493****AUTOMATIC OVERHEAD COILING FABRIC FIRE CURTAIN****PART 1 - GENERAL**

## 1.01 SUMMARY

- A. Section Includes:
  - 1. Fusible link activated, overhead coiling fabric fire curtain.
  - 2. Self-closing without auxiliary power.
  - 3. For window openings up to eight feet wide by 8 feet high.
- B. Related Requirements:
  - 1. 09 2200– Load bearing header framing
  - 2. 09 9100–Paint: Field painting of specified components.

## 1.02 REFERENCES

- A. ASTM Codes and Standards:
  - 1. ASTM - E84 - Test Method for Surface Burning Characteristics of Building Materials
- B. UL Standards:
  - 1. 10B – Fire test for door assemblies.
  - 2. 10C – Fire test for door assemblies with positive pressure
  - 3. 10D – Fire test for fire resistant curtains.

## 1.03 SUBMITTALS

- A. Comply with Section 01 3300–Submittal Procedures:
  - 1. Product data.
  - 2. Shop drawings:
    - a. Include opening dimensions.
    - b. Show and identify related work performed under other sections of the specifications.
  - 3. Quality Assurance/Control Submittals:
    - a. Certifications.
    - b. Manufacturer’s installation instructions and testing procedures.

## 1.04 CLOSEOUT SUBMITTALS

- A. Comply with Section 01 7700–Project Closeout:
  - 1. Operation and maintenance manual.
  - 2. Manufacturer’s warranty.

## 1.05 QUALITY ASSURANCE

- A. Certifications:
  - 1. ETL Listing to UL standards:
    - a. 10B - Fire test for fire doors: 20-minutes
    - b. 10C – Fire test for fire doors: 20-minutes.

c. 10D – Fire test for fire resistant curtains: 2-hours.

B. Pre-Installation Meeting:

1. Schedule and convene a pre-installation meeting prior to commencement of field operations with representatives of the following in attendance: Owner, Architect, General Contractor, fire curtain sub-contractor.
2. Review substrate conditions, requirements of related work, installation instructions, storage and handling procedures, and protection measures.
3. Document responsibilities of various parties and deviations from specifications and installation instructions.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Comply with Section 01 6600–Delivery, Storage, and Handling.

B. Comply with manufacturer’s instructions.

1.07 WARRANTY

A. Provide manufacturer’s standard one year warranty.

B. Maintenance and Testing:

1. Perform minimum semi-annual maintenance and testing on each fire curtain as required by the manufacturer’s warranty, code agency evaluation reports, and as required by local authority having jurisdiction.
2. Provide test documentation.

**PART 2 - PRODUCTS**

2.01 MANUFACTURED UNITS

A. Model M1000.

B. Manufacturer:

1. Smoke Guard, Inc.
2. Distributed by Smoke Guard, 287 N. Maple Grove, Boise, Idaho 83704  
[www.smokeguard.com/](http://www.smokeguard.com/)

C. Label each fire curtain with following information:

1. Manufacturer’s name.
2. Label of quality control agency.

2.02 PERFORMANCE / DESIGN CRITERIA

A. Test normal and fire operation: Curtain to deploy on activation of fusible link contained within the system. Curtain shall descend by gravity and retract by manual operation.

1. Raise curtain after test and reset fusible link.  
Reset curtain after test or operation of unit using manual crank. No service call needed.  
No replacement parts needed.

B. Test to 1,000 cycles.

## 2.03 COMPONENTS

- A. Curtain Fabric: SG Tex 32 - Glass fiber material coated on one side with a polyester polyurethane latex and steel wire reinforcement.
  - 1. Rating: 120 minutes.
- B. Side Guide Assembly:
  - 1. See manufacturer's standard side guide.
- C. Housing/Bearing Type: Standard or support bearing.
- D. Bottom Bar: Weighted for self-closing by gravity.
- E. Finishes:
  - 1. Manufacturer's standard galvanized finish. Optional finishes available at extra cost including: field painting, stainless steel or powder coat.

## 2.04 FABRICATION

- A. Installation Configuration: Housing attached directly to wall.
- B. Fabricate and install mounting brackets, hardware, and fasteners needed to attach fire curtain assembly to building structure.

## **PART 3 - EXECUTION**

### 3.01 EXAMINATION

- A. Examine substrates upon which work will be installed.
  - 1. Verify related work performed under other sections is complete and in accordance with shop drawings.
  - 2. Verify wall surfaces are acceptable for installation of fire curtain system components.
- B. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.
- C. Coordinate electrical interface and connection with Division 26.
- D. Coordinate interface and connection with fire and alarm system.
- E. Commencement of work by installer is acceptance of substrate.

### 3.02 INSTALLATION

- A. Install fire curtain system components in accordance with manufacturer's installation instructions.

### 3.03 FIELD QUALITY CONTROL

- A. Field Test: Follow manufacturer's cycle test procedures.
  - 1. Notify Owner's Representative, local Fire Marshal minimum one week in advance of scheduled testing.

2. Complete maintenance service record.

3.04 DEMONSTRATION

A. Demonstrate required testing and maintenance procedures to Owner's Representative.

END OF SECTION

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