



NEW YORK STATE DEPARTMENT OF STATE  
STATE FIRE PREVENTION AND BUILDING CODE COUNCIL

*Certificate of Acceptability* No. 0004

George E. Pataki  
Governor

Alexander F. Treadwell  
Secretary of State

Expiration date : July 29, 2000

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**1. MANUFACTURER**

Smoke & Fire Prevention Systems  
Division of Construction Consultants & Contractors, Inc.  
PO Box 1737, 110 Ninth St.  
Clarksville, VA 23927

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**2. PRODUCT**

Fabric Curtain Board Smoke Containment System

**3. USE**

Draft curtain to form heat banking areas, as well as draft stops at escalator and stairway openings.

**4. DESCRIPTION**

**4.1 General**

The containment system consists of coated fiberglass fabric panels joined with fiberglass tape and sealed in place by means of the tape or acrylic caulk to form a barrier to the spread of flame, hot gases, and heat. The fiberglass fabric is supported on a frame constructed of ½" Electrical Metallic Tubing (EMT). The fabric is hemmed over the frame using thread material the same as that of the fabric. The frame is fixed in place by steel spring fasteners attached to building girders or joists.

**4.2 System Components**

**4.2.1 Fabric**

The coated fiberglass fabric, manufactured by BGF Industries, is classified in the 1997 Underwriters Laboratory's Building Materials Directory under Sheathing Materials (BVDV) with file number RI5022 (R). The classification indicates that a sample tested in conformity with UL 723 "Test for Surface Burning Characteristics of Building Materials", resulting in a flame spread rating of 5 and a smoke developed rating of 0.

**4.2.2 Curtain Board Frame**

The frame is constructed of ½" EMT galvanized steel. Steel connecting tees are machined for the system. The spring fasteners are made from spheroidized annealed high carbon cold rolled steel (ASTM A684 and AISI 1055).

**4.2.3 Fabric Tape**

Patco Corporation's Product # 6850 tape is used to seal joints and gaps where panels meet. It is made of the same fiberglass material as the fabric above. The tape has been subjected to fire testing up to a temperature 1000 degrees F for a period of one hour. The test results indicated an increase in bond strength.

**4.2.4 Smoke Seal Compound**

United States Gypsum Company's *Thermafiber Smoke Seal Compound* (an elastomeric acrylic caulking material) is used to seal the fabric system at locations such as roof deck flutes. This compound is classified in UL's Fire Resistance Directory - Vol. 2 as having been tested to UL standard 2079 *Tests for Fire Resistance of Building Joint Systems*.

**4.3 Installation**

The Fabric Curtain Board Smoke Containment System shall be installed in accordance with the manufacturer's printed instructions and with the terms of each individual component's Underwriters Laboratory classification.

**5. BASIS FOR ACCEPTABILITY**

The Fabric Curtain Board Smoke Containment System satisfies 9 NYCRR Subchapter B requirements for draft curtains as defined in 9 NYCRR 606.3(a).

6. CONDITIONS OF ACCEPTABILITY

- 6.1 This certificate is valid for a period of two years from date of issuance unless sooner revoked, and is subject to renewal **thereafter**. Certificates that are not re-certified shall not be used or referred to. In order to determine the current certification status, please contact the Division of Code Enforcement and Administration at (5 18) 474-4073.
- 6.2 The manufacturer shall supply instructions that provide information **on** the approved installation and use of the product. Any conflicts between this certificate and the manufacturer **installation** instructions void this certificate. Materials and methods of construction shall conform to the test results, brochure, and specifications submitted to and on file with the Division.
- 6.3 This certificate is considered revoked upon expiration or if any of the System components are de-classified by the applicable agency, if such classification was a basis for acceptability found in section 5 above.

7. INFORMATION TO BE SUBMITTED TO CODE ENFORCEMENT OFFICIAL

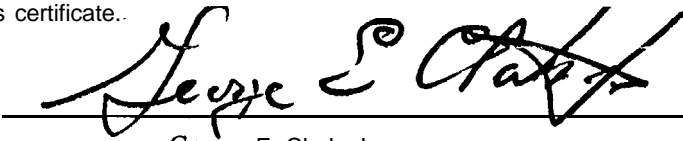
In order to aid in determination of compliance with this certificate, documents submitted to officials charged with enforcement of the code shall reflect at a minimum the following information : Installation instructions.

8. REFERENCED INFORMATION

United States Testing Company, Inc. test report number 112759-R. and Underwriters Laboratory's file numbers RI 5022 (R) [fabric] and RI 1821 (N) [caulk].

This Certificate of Acceptability certifies that the State Fire Prevention and Building Code Council has determined that the product **specified** in Division file No. CA 0004 complies with the performance requirements set forth in the New York State Uniform Fire Prevention and Building Code when installed in accordance with the Conditions of Acceptability listed under Section 6 above. Please contact the Division with any questions you may have regarding this certificate or if you have any information **on the** performance of the product described herein which is contrary to this certificate..

Date of issuance: July 29, 1998



George E. Clark, Jr.  
Director, Division of Code Enforcement and Administration