



PHIFER INCORPORATED

31 March 2014

DRAPER INC.

Sent Via E-mail: jmiller@DraperInc.com

Re: Flame Retardance Certificate

PHIFER INCORPORATED certifies that the materials described below manufactured in Tuscaloosa, Alabama, U.S.A., and furnished by our firm:

Phifer SheerWeave Vinyl Coated Polyester: SheerWeave 4500, SheerWeave 4550, (All colors and weaves manufactured with FR-34 compound.)

is in compliance with the following standard(s):

1. Flammability per California Administrative Code, Title 19, Public Safety, Section 1237, Flame resistance Small Scale Test, Interior Materials Qualification. (Registration No. F-86801).
2. National Fire Protection Association, NFPA No. 101, "Life Safety Code", Class "A" rating. (Tested in accordance to ASTM E84.)
SW 4500 - Flame Spread Index = 10 Smoke Developed Value = 300
SW 4550 - Flame Spread Index = 15 Smoke Developed Value = 160
3. International Building Code (IBC), Section 903.1, Class "A" rating (Tested in accordance to ASTM E84).
4. NFPA 701, Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2010 Edition (Test 1, Small Scale).
5. NFPA 701, Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2010 Edition (Test 2, Folded Specimens).
6. BS EN ISO 15025:2002 - Protective clothing - Protection against heat and flame - Method of test for limited flame spread (Procedure A - Surface Ignition); as cited by BS 5867-2:2008 - British Standard Specification for Fabrics for curtains, drapes and window blinds; Part 2: Type "B" Performance Requirements.
7. CAN/ULC-S109-03 Standard for Flame Tests of Flame-Resistant Fabrics & Films Small Flame Test.
8. CAN/ULC-S109-03 Standard for Flame Tests of Flame-Resistant Fabrics & Films Large Flame Test (Folded Specimens).

If you have any questions or need further information, please contact me at 1-800-633-5955 Ext. 3075.

Sincerely,
PHIFER INCORPORATED

Keith Euerle
Director of Specialty Textiles Testing and Analysis