

**NFPA 701-2004 Test Method 1 - Flame
Propagation of "EcoScreen® - Series: ES8500P"**

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Submitted By: Fire Testing

Report No. 08-002-926(A2)
3 pages + appendix

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ACCREDITATION Standards Council of Canada, Registration #1.**REGISTRATION** ISO 9001:2000, registered by QMI, Registration #001109.**SPECIFICATIONS OF ORDER**

Determine flame propagation in accordance with Test Method 1 of NFPA 701, 2004 Edition, as per our Quotation No. 08-002-10808 RV1 accepted December 2, 2008.

IDENTIFICATION

Blind material identified as "EcoScreen® Privacy Weave, Series: ES8500P, Space Grey".

(Bodycote sample identification number 08-002-S0926-1)

TEST RESULTS**NFPA 701 - 2004 Test Method 1**

Standard Methods of Fire Tests for
Flame Propagation of Textiles and Films

Tested "as received"

	Initial Mass (g)	Final Mass (g)	Mass Loss (%)	Afterflame Time (s)	Flaming Dripping (s)
1:	13.1	9.9	24.6	0.0	0.0
2:	13.0	9.6	26.2	0.0	0.0
3:	13.0	9.8	24.9	0.0	0.0
4:	13.1	9.5	27.6	0.0	0.0
5:	12.9	9.6	25.7	0.0	0.0
6:	13.1	9.5	27.1	0.0	0.0
7:	13.0	9.3	28.0	0.0	0.0
8:	13.1	9.6	26.6	0.0	0.0
9:	13.0	9.3	28.9	0.0	0.0
10:	13.0	9.5	27.0	0.0	0.0

Mean: 26.7 0.0

Standard Deviation: 1.3

Maxima Specified by

NFPA 701 Test Method 1:

40.0

0.0

CONCLUSIONS

When tested "as received", the material identified in this report complies with the requirements of Test Method 1 of NFPA 701, 2004 Edition.



Anne-Lise Larsen,
Fire Testing



Ian Smith,
Fire Testing

Note: This report consists of 3 pages, including the cover page, that comprise the report "body". It should be considered incomplete if all pages are not present. Additionally, the Appendix of this report comprises a cover page, plus 1 page.

APPENDIX

(1 page)

Summary of Test Procedure

NFPA 701 - 2004 Edition
Standard Methods of Fire Tests for
Flame Propagation of Textiles and Films

Test Method 1

Ten specimens are cut, each 150 mm x 400 mm, with the length parallel to the lengthwise direction of the material. After having been weighed, the specimens are conditioned for at least 30 minutes at $105 \pm 3^{\circ}\text{C}$ ($220 \pm 5^{\circ}\text{F}$).

Each specimen is removed from the conditioning chamber individually and attached to a pin bar which is then mounted on a support hanger at the back ceiling of a specified test chamber. A specified gas flame is applied to the centre of the lower edge of the specimen for 45 seconds and then withdrawn. The specimen is allowed to burn until the flame self-extinguishes, after which it is removed from the pin bar and re-weighed. The percent mass loss is determined and used as a measure of total flame spread and specimen damage.

Flame Propagation Performance Criteria:

Where fragments or residues of specimens that fall to the floor of the test chamber continue to burn for more than an average of 2 seconds per specimen, the material shall be recorded as failing the test.

Where the average mass loss of the 10 specimens in a sample is greater than 40 percent, the material shall be recorded as failing the test.

Where the percent mass loss of any individual specimen exceeds the mean value plus three standard deviations, a second set shall be tested.

Where the percent mass loss of any individual specimen in the second set of specimens exceeds the mean value of the second set plus three standard deviations calculated for the second set, the material shall be recorded as failing the test.

