

**NFPA 701-2004 Test Method 2 - Flame
Propagation of "Ultraflex Vulite Supreme"**

A Report To: **Ultraflex Systems Incorporated**
1578 Sussex Turnpike, Building 4
Randolph, NJ 07869
USA

Telephone: (973) 627-8608

Fax: (973) 627-8506

Attention: Brenda Siemer

Submitted By: Fire Testing

Report No. 06-02-305(B)
2 pages + 1 appendix

Date: August 30, 2006

ACCREDITATION Standards Council of Canada, Registration #1.

REGISTRATION ISO 9001:2000, registered by QMI, Registration #001109.

SPECIFICATIONS OF ORDER

Determine flame resistance in accordance with Test Method 2 of NFPA 701, 2004 Edition, as per our Quotation No. 06-02-02876 accepted April 18, 2006.

IDENTIFICATION (BMTC sample identification number 06-02-S0305)

Reinforced material identified as "Ultraflex Vulite Supreme".

TEST RESULTS **NFPA 701 - 2004 Test Method 2**

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

Tested "as received" and in flat sheet configuration.

	<u>Length of Char (mm)</u>	<u>Afterflame Time (s)</u>	<u>Flaming Dripping Time (s)</u>
Trial 1:	167	0.0	0.0
2:	123	0.0	0.0
3:	146	0.0	0.0
4:	207	0.0	0.0
5:	211	0.0	0.0
6:	173	0.0	0.0
7:	182	0.0	0.0
8:	198	0.0	0.0
9:	120	0.0	0.0
10:	154	0.0	0.0
Maxima Specified by NFPA 701 Test Method 2:	435	2.0	2.0 (individual)

CONCLUSIONS

When tested "as received" and in flat sheet configuration, the material identified in this report complies with the flame propagation requirements of Test Method 2 of NFPA 701, 2004 Edition.



Anne-Lise Larsen,
Fire Testing



Richard J. Lederle,
Fire Testing

Note: This report consists of 2 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.

Bodycote Materials Testing Canada Inc.

NFPA 701-2004 Test Method 2 - Flame Propagation of "Ultraflex Vulite Supreme"

For: Ultraflex Systems Incorporated

Report No. 06-02-305(B)

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 2

For conducting flame tests of fabrics hung in folds, at least four specimens 610 mm by 1.20 m (24 x 47 in.) are required. Each specimen is folded longitudinally to form four folds. Those specimens that cannot be folded are tested in the flat configuration.

For conducting flame tests of fabrics in the flat configuration, Test Method 2 of NFPA 701 specifies at least ten specimens, 125 mm by 1.2 m (5 in x 47 in). The specimens are conditioned at 105°C (220°F) for 1 to 3 hours.

Each specimen is removed from the conditioning chamber individually, and immediately suspended in a steel stack, 305 mm (12 in.) square and 2.13 m (84 in.) high, the said stack being open both top and bottom and supported 305 mm above the floor. The lower edge of the specimen is positioned 100 mm (4 in.) above the tip of a gas burner which is inclined at 25° to the vertical. The burner, which has been adjusted to yield a flame 280 mm (11 in.) in height is ignited and inserted directly beneath the specimen for 2 minutes. Char length is measured from the tip of the flame, upwards.

Flame Resistance Requirements:

<u>Specimen Configuration</u>	<u>Maximum Char Length or Destroyed Material Length (mm)</u>	<u>Maximum Afterflame Time (s)</u>	<u>Duration of Flaming Drips on Floor of Tester (s)</u>
Folded	1050	2.0	2.0
Flat	435	2.0	2.0