The Govmark Organization, Inc.

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e-mail: info@govmark.com

Received:06/12/2009	Completed:06/18/2009	Letter: F	rb	P.O.#:	Test Report #:	2-79147-0-
Client's Identification	Style: Ultra Canvas Light C190. Content: Polyester. Weight: 5.9 oz/yd²					

Tested For: **Jaime L. Giannantonio**
Ultraflex Systems Inc.
1578 Sussex Tpk., Bldg. #4
Randolph, NJ 07869

Key Test: NFPA 701-2004 TM#1 WIT NC

Tel: 1-(973)-627-8608 **Ext:** 124
Fax: 1-(973)-627-8506

PC: 0.5H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2004 Edition - Test Method #1

PRODUCT CONFIGURATION: [x] Single Layer; [ ] Multi Layer

RESULTS REPORTED: [x] Initially; [ ] After 3 dry cleanings; [ ] After 5 launderings @ 160°F

RESULTS:

Specimen #	Afterflame* (seconds)	Flaming Drip (seconds)	Weight Loss (percent)	Flame Projects Above Top Of Specimen (yes/no)
1	0	3.2	18.9	No
2	0	3.4	23.2	No
3	0	0.0	20.9	No
4	0	0.7	28.7	No
5	0	0.0	20.7	No
6	0	1.1	25.4	No
7	0	0.0	20.7	No
8	0	0.0	24.3	No
9	0	0.7	18.6	No
10	0	1.3	27.4	No
	Mean:	1.0	Mean: 22.9	

STATISTICAL VALUES: SD = 3.5 3 SD = 10.5 Mean + 3 SD = 33.4

ABBREVIATIONS USED: SD = Standard deviation. NT = Not tested.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 186 g/m²

PRECONDITIONING: [x] 0.5 hr @ 220°F (Standard)
[ ] 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

CONVERSION FACTOR: g/m² ÷ 28.35 x .835 = oz/yd²

NOTE:
1. All specimens prepared in the length direction.
2. See addendum for individual specimen weights.

REMARKS: Test was witnessed by Jaime Giannantonio & Dwight Bessette of Ultraflex Systems Inc.

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FAILURE CRITERIA: As cited by NFPA 701 - 2004 Edition Test Method #1 (see Comments on page 3)

Afterflame	Flaming Drip (Mean)	Weight Loss (percent) Mean	Weight Loss (percent) Individual Specimen
*	Exceeds 2 seconds	Exceeds 40%	Exceeds Mean + 3 SD

CONCLUSION: Based on the Results on page 1 and the above Failure Criteria cited by NFPA 701 - 2004 Edition Test Method #1, the item tested:

[x] Passes; [ ] Fails; [ ] Requires testing of 10 additional specimens
i.e. only one individual specimen failure was noted

REVISED FAILURE CRITERIA (see Comments on page 3):

Afterflame	Flaming Drip (Mean)	Weight Loss Mean	Weight Loss Ind. Spec.	Flame Height (Individual Specimen)
*	Exceeds 2 seconds	Exceeds 40%	Exceeds 50%	Projects above top of specimen

CONCLUSION: Based on the Results on page 1 and the above Revised Failure Criteria, the item tested:

[x] Passes; [ ] Fails; [ ] Requires testing of 10 additional specimens
i.e. only one individual specimen failure was noted

* Afterflame is required to be recorded; however, the NFPA document does not factor it into the Failure Criteria reporting requirements. It should be noted that excessive afterflames (15 seconds or more) could be cause for rejection by local fire authorities performing "match" field tests.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2004 Edition Test Method #1 with additional recording of flame height.

Heather F. Robertson

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. /mg

MS. HEATHER ROBERTSON
JUN 19 2009

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COMMENTS:
The Govmark Org., Inc. has determined to establish failure criteria over and above the criteria spelled out in the NFPA document. The rationale for the "revised" criteria is as follows:

Weight Loss - Individual Specimen Failure:

The NFPA 701 document, as written, provides for a statistical calculation which provides for retest and a potential failure if any individual value exceeds the mean by three standard deviations. Govmark is of the opinion that this cannot mathematically occur, i.e. no individual result is mathematically capable of exceeding the mean plus three standard deviations. Therefore, Govmark has established 50% as the absolute number for individual specimen criteria.

Individual Specimen - Flame Projects Above Top of Specimen:

When NFPA introduced the weight loss criteria, this was hailed as a more objective measure of product performance over previous editions, which relied on visual measurements of fire degradation. Unforeseen were those products which are composed of finishes over substantially non burning substrates. Intense flaming of the finishes occurs without substantially reducing the total weight of the specimen that was tested. It is believed that similar behavior of the intensely burning surface finishes on products made from such material could result in the ignition of nearby combustibles.

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Client Name : Ultraflex Systems
Addendum to Test Report # : 2-79147-0
Test : : NFPA 701

Specimen #	Weight Before Test (g)	Weight After Test (g)	Percent Weight Loss
1	11.10	9.00	18.9
2	11.20	8.60	23.2
3	11.50	9.10	20.9
4	11.50	8.20	28.7
5	11.10	8.80	20.7
6	11.40	8.50	25.4
7	11.10	8.80	20.7
8	11.10	8.40	24.3
9	11.30	9.20	18.6
10	11.30	8.20	27.4

Mean Percent Weight Loss : 22.9
Standard Deviation : 3.5
3 x Standard Deviation : 10.5
Mean + 3 x Standard Deviation : 33.4