



Received:08/17/2015 Completed:08/18/2015 Letter: H BG P.O.#: Test Report #: 3-09355-0-

Client's Identification Style: Vortex Backlit Precision T130. Composition: Polyester. Product End Use: Banners/Signs.

Tested For: **Kylie Schleicher** Key Test: NFPA 701-2015 TM#1 205  
 Ultraflex Systems Inc.  
 1578 Sussex Tpk., Bldg. #4 Tel: 1-(973)-627-8608 Ext:  
 Randolph, NJ 07869 Fax: 1-( )- -

PC: 0.5H DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2015 Edition - Test Method #1

PRODUCT CONFIGURATION:  Single Layer;  Multi Layer

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

RESULTS:

Specimen #	Afterflame* (seconds)	Flaming Drip (seconds)	Weight Loss (percent)
1	0	0	27.3
2	0	0	16.3
3	0	0	7.0
4	0	0	27.3
5	0	0	11.4
6	0	0	20.5
7	0	0	23.3
8	0	0	30.2
9	0	0	31.8
10	0	0	25.6
	Mean:	0	Mean: 22.1

STATISTICAL VALUES: SD = 8.2 3 SD = 24.7 Mean + 3 SD = 46.7

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

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 144 g/m<sup>2</sup>

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

CONVERSION FACTOR: g/m<sup>2</sup> ÷ 28.35 x .835 = oz/yd<sup>2</sup>

NOTE:

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



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Tested For: <b>Kylie Schleicher</b>	Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869				Key Test: NFPA 701-2015 TM#1	205
				Tel: 1-(973)-627-8608	Ext:	
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REMARKS:

- Flames did not project above the top of the specimen.
- Flames projected above the top of the specimen; Specimen #'s \_\_\_\_\_
- Client requested that the restraining clamp binder clips be eliminated to replicate the provisions of the 1996 Test Method #1 version of this document.

FAILURE CRITERIA: As cited by NFPA 701 - 2015 Edition Test Method #1

Afterflame	Flaming Drip (Mean)	Weight Loss (percent)	
		Mean	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 - 2015 Edition Test Method #1, the item tested:

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.

\*\* See "Discussion" on Page 3.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2015 Edition Test Method #1.

MS. PHYLLIS PETTIT

AUG 20 2015

AUTHORIZED SIGNATURE  
 GOVMARK  
 /ec/lbg



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				Tel: 1-(973)-627-8608	Ext:	
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\*\* DISCUSSION:

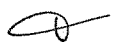
Weight Loss - Individual Specimen Failure:

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 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, in effect, Govmark is of the opinion that this "individual specimen criteria" has no meaning, since it cannot possibly result in a nonconformance.

Client Name : Ultraflex Systems Inc.  
Addendum to Test Report # : 3-09355-0  
Test : NFPA 701

<u>Specimen #</u>	<u>Weight Before Test ( g )</u>	<u>Weight After Test ( g )</u>	<u>Percent Weight Loss</u>
1	8.80	6.40	27.3
2	8.60	7.20	16.3
3	8.60	8.00	7.0
4	8.80	6.40	27.3
5	8.80	7.80	11.4
6	8.80	7.00	20.5
7	8.60	6.60	23.3
8	8.60	6.00	30.2
9	8.80	6.00	31.8
10	8.60	6.40	25.6

Mean Percent Weight Loss : 22.1  
Standard Deviation : 8.2  
3 x Standard Deviation : 24.7  
Mean + 3 x Standard Deviation : 46.7



AUG 20 2015



Received:08/17/2015 Completed:08/18/2015 Letter: H1 BG P.O.#: Test Report #: 3-09355-1-

Client's Identification Style: **Vortex Backlit Precision T130**. Composition: Polyester. Product End Use: Banners/Signs.

Tested For: **Kylie Schleicher** Key Test: CA 1237 Sm 175  
 Ultraflex Systems Inc.  
 1578 Sussex Tpk., Bldg. #4  
 Randolph, NJ 07869  
 Tel: 1-(973)-627-8608 Ext:  
 Fax: 1-( )- -

PC: 1H /jd SM/mg

TEST PERFORMED: **California Fire Marshal Title 19: Section 1237** (Proposed Revision 8/9/93) Fire Resistance; Small Scale Test - INTERIOR MATERIALS QUALIFICATION

RESULTS REPORTED:  Initially  
 After 3 dry cleanings  
 After 5 launderings @ 160°F

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	0	0	3.5
	2	0	0	3.9
	3	0	0	4.1
	4	0	0	4.2
	5	0	0	5.0
	Avg:	0		
Fill:	6	0	0	4.1
	7	0	0	4.9
	8	0	0	5.1
	9	0	0	4.2
	10	0	0	4.3
	Avg:	0		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 4.3 oz/yd<sup>2</sup>

ACCEPTANCE CRITERIA:

Afterflame: 4.0 seconds maximum average for warp or fill  
 Afterglow: (see Note #2 below)  
 Char Length: 6.0 inches maximum for any individual specimen

NOTES:

1. An asterisk (\*) next to any char length measurement indicates that a part of the char length is melt away due to heat from the flame source and not from propagating flame. Therefore, the sample submitted meets the requirements of Title 19 - California Code of Regulations, Section 1237 and 1237.1 for materials weighing less than 4 oz/yd<sup>2</sup>.
2. Afterglow is required to be reported; however, it is not factored into the Acceptance Criteria.



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**Tested For: Kylie Schleicher** **Key Test: CA 1237 Sm** 175  
 Ultraflex Systems Inc.  
 1578 Sussex Tpk., Bldg. #4 **Tel: 1-(973)-627-8608** **Ext:**  
 Randolph, NJ 07869 **Fax: 1-( )- -**

CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

Complies;  Does not comply

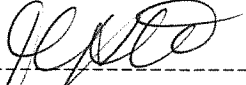
REMARKS: None.

NOTE: The number of test specimens and Acceptance Criteria are based on a proposed revision issued and implemented by the California State Fire Marshal in August 1993. In substance, the following has occurred:

1. A maximum afterflame of 4 seconds is permitted as opposed to 1 second.
2. It was clarified that the char length maximum of 6 inches applies to any individual specimen and is not an average requirement.
3. Ten specimens are tested in lieu of 6 specimens.

This report issues the conclusion to Section 1237 based on the California State Fire Marshal's continued endorsement of the proposed revision.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by California Fire Marshal Title 19: Section 1237 Small Scale (Proposed Revision 8/9/93).

  
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 AUTHORIZED SIGNATURE  
 GOVMARK  
 /ec /bg

**MS. PHYLLIS PETTIT**

**AUG 20 2015**