

Received: 09/02/2010	Completed: 09/08/2010	Letter: V	her	P.O.#:	Test Report #:	2-84463-0-
Client's Identification	Style: Vulite Pro. Content: Polyester. Finish: PVC. Weight: 13 oz/yd ² . End Use: Sign & Banner backlit Vinyl.					
Tested For: Jaime L. Giannantonio Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869				Key Test: NFPA 701-2010 TM#2 Flat		340
				Tel: 1-(973)-664-6724		Ext:
				Fax: 1-(973)-627-8506		

PC:1H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films
- 2010 Edition - Test Method #2 - Flat Sheet Specimens

SPECIMEN CONFIGURATION: ☒ Single Layer; ☐ Multi Layer

RESULTS REPORTED: ☒ Initially ☐ After 72 hours water leaching
☐ After 3 dry cleanings ☐ After 100 hours accelerated weathering
☐ After 5 launderings @ 160°F

RESULTS:

Length Specimen #	Afterflame (seconds)	Drip Burn (seconds)	Char Length (mm)
1	0	0	140
2	0	0	120
3	0	0	100
4	0	0	190
5	0	0	120
6	0	0	100
7	0	0	130
8	0	0	140
9	0	0	130
10	0	0	120

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 565 g/m²

FAILURE CRITERIA: For each individual specimen --

Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

RETEST PROVISION: Test 5 additional specimens if only 1 specimen fails.

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

☒ Passes; ☐ Fails; ☐ Requires testing of 5 additional specimens

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2010 Edition Test Method #2 Flat Sheet Specimens.

Heather E. Robertson

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. / ec / *mo* (Page 1 of 2)

MS. HEATHER ROBERTSON



Received:09/02/2010	Completed:09/08/2010	Letter: V	her	P.O.#:	Test Report #:	2-84463-0-
Client's Identification	Style: Vulite Pro. Content: Polyester. Finish: PVC. Weight: 13 oz/yd ² . End Use: Sign & Banner backlit Vinyl.					
Tested For: Jaime L. Giannantonio Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869				Key Test: NFPA 701-2010 TM#2 Flat		340
				Tel: 1-(973)-664-6724		Ext:
				Fax: 1-(973)-627-8506		

PRECONDITIONING: ☒ 1 hr @ 220°F (Standard)
 ☐ 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

REMARKS: Client requested that the restraining clamp binder clips be eliminated to replicate the provisions of the 1996 Test Method #1 version of this document.

CONVERSION FACTORS:
mm ÷ 25.4 = inches
g/m² ÷ 28.35 x .835 = oz/yd²

Received: 09/02/2010	Completed: 09/13/2010	Letter: V1	her	P.O.#:	Test Report #: 2-84463-1-
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Client's Identification	Style: Vulite Pro. Content: Polyester. Finish: PVC. Weight: 13 oz/yd ² . End Use: Sign & Banner backlit Vinyl.
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Tested For: Jaime L. Giannantonio Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869	Key Test: NFPA 701-2010 TM#2 Flat WL 490 Tel: 1-(973)-664-6724 Ext: Fax: 1-(973)-627-8506
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PC:1H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2010 Edition - Test Method #2 - Flat Sheet Specimens

SPECIMEN CONFIGURATION: ☒ Single Layer; ☐ Multi Layer

RESULTS REPORTED: ☐ Initially ☒ After 72 hours water leaching
☐ After 3 dry cleanings ☐ After 100 hours accelerated weathering
☐ After 5 launderings @ 160°F

RESULTS:

Length Specimen #	Afterflame (seconds)	Drip Burn (seconds)	Char Length (mm)
1	0	0	110
2	0	0	120
3	0	0	120
4	0	0	130
5	0	0	140
6	0	0	170
7	0	0	164
8	0	0	152
9	0	0	130
10	0	0	146

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 565 g/m²

FAILURE CRITERIA: For each individual specimen --

Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

RETEST PROVISION: Test 5 additional specimens if only 1 specimen fails.

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

☒ Passes; ☐ Fails; ☐ Requires testing of 5 additional specimens

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2010 Edition Test Method #2 Flat Sheet Specimens.

 AUTHORIZED SIGNATURE
 THE GOVMARK ORGANIZATION, INC. / ec



Received:09/02/2010	Completed:09/13/2010	Letter: V1	her	P.O.#:	Test Report #:	2-84463-1-
Client's Identification	Style: Vulite Pro. Content: Polyester. Finish: PVC. Weight: 13 oz/yd ² . End Use: Sign & Banner backlit Vinyl.					
Tested For: Jaime L. Giannantonio Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869				Key Test: NFPA 701-2010 TM#2 Flat WL		490
				Tel: 1-(973)-664-6724		Ext:
				Fax: 1-(973)-627-8506		

PRECONDITIONING: ☒ 1 hr @ 220°F (Standard)
 ☐ 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

REMARKS: Client requested that the restraining clamp binder clips be eliminated to replicate the provisions of the 1996 Test Method #1 version of this document.

CONVERSION FACTORS:
mm ÷ 25.4 = inches
g/m² ÷ 28.35 x .835 = oz/yd²

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**CALIFORNIA DEPARTMENT OF FORESTRY and FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL**

REGISTERED FLAME RESISTANT PRODUCT

Product:

VULITE PRO BL

Registration No.

F-77401

Product Marketed By:

ULTRAFLEX SYSTEMS

1578 SUSSEX TPK., BLDG. #4
RANDOLPH, NJ 07869

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code.

The scope of the approved use of this product is provided in the current edition of the **CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS** published by the California State Fire Marshal.

Deputy State Fire Marshal

Expire: 6/30/2017



Received: 04/06/2009 Completed: 04/08/2009 Letter: E rb P.O.#: Test Report #: 2-78073-0-

Client's Identification Vulite Pro Backlit Material For Quality Rear-Illuminated Signage.

Tested For: Jaime L. Giannantonio **Key Test:** CA 1237 Sm 105
Ultraflex Systems Inc.
1578 Sussex Tpk., Bldg. #4 **Tel:** 1-(973)-627-8608 **Ext:** 124
Randolph, NJ 07869 **Fax:** 1-(973)-627-8506

PC: 1H /jd

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

RESULTS REPORTED: [x] Initially
[] After 72 hours water leaching
[] After 100 hours weathering

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	0.0	0	3.8
	2	4.9	0	4.1
	3	1.5	0	4.0
	4	0.0	0	3.5
	5	0.0	0	4.1
	Avg:	1.3		
Fill:	6	2.3	0	3.7
	7	10.1	0	3.9
	8	0.0	0	4.7
	9	0.0	0	3.6
	10	1.5	0	4.3
	Avg:	2.5		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 16.2 oz/yd²

ACCEPTANCE CRITERIA:

Afterflame: 4.0 seconds maximum avg for length or width
Afterglow: (see Note #2 below)
Char Length: 6.0" maximum for any individual specimen

Notes:

1. An asterisk (*) next to any char length measurements 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/yd².
2. Afterglow is required to be reported; however, it is not factored into the Acceptance Criteria.



The
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Received:04/06/2009	Completed:04/08/2009	Letter: E	rb	P.O.#:	Test Report #:	2-78073-0-
Client's Identification	Vulite Pro Backlit Material For Quality Rear-Illuminated Signage.					
Tested For: Jaime L. Giannantonio Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869				Key Test: CA 1237 Sm		105
				Tel: 1-(973)-627-8608		Ext: 124
				Fax: 1-(973)-627-8506		

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

☒ Complies; ☐ Does not comply

REMARKS: None.

NOTE: In August 1993 the State Fire Marshal issued a proposed revision, which permitted a maximum average afterflame of 4.0 seconds. This proposed revision was honored by the subsequent State Fire Marshal until approximately February 2004, at which time the State Fire Marshal's office reverted to the unrevised rule of 2.0 seconds maximum average for exterior fabric.

In a conversation with the latest California State Fire Marshal on August 9, 2007, it was learned that the proposed 1993 revision is now back in effect. In addition to allowing 4 seconds Afterflame rather than 2 seconds, the proposed revision provides for testing of 10 specimens, rather than 6 specimens.

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 (Proposed Revision 8/9/93).

Heather E. Robertson

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. /mg

MS. HEATHER ROBERTSON

MAY 01 2009

(Page 2 of 2)



Received:04/06/2009 Completed:04/16/2009 Letter: E1 rb P.O.#: Test Report #: 2-78073-1-

Client's Identification Vulite Pro Backlit Material For Quality Rear-Illuminated Signage.

Tested For: **Jaime L. Giannantonio** Key Test: CA 1237 Sm WL 105
Ultraflex Systems Inc.
1578 Sussex Tpk., Bldg. #4 Tel: 1-(973)-627-8608 Ext: 124
Randolph, NJ 07869 Fax: 1-(973)-627-8506

PC: 1H /jd

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

RESULTS REPORTED: [] Initially
[x] After 72 hours water leaching
[] After 100 hours weathering

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	2.3	0	3.8
	2	0.0	0	4.4
	3	0.0	0	3.7
	4	0.0	0	4.9
	5	1.2	0	4.9
	Avg:	0.7		
Fill:	6	0.0	0	4.5
	7	1.2	0	3.9
	8	0.0	0	4.2
	9	0.0	0	4.7
	10	0.0	0	2.9
	Avg:	0.2		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 16.2 oz/yd²

ACCEPTANCE CRITERIA:

Afterflame: 4.0 seconds maximum avg for length or width
Afterglow: (see Note #2 below)
Char Length: 6.0" maximum for any individual specimen

Notes:

1. An asterisk (*) next to any char length measurements 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/yd².
2. Afterglow is required to be reported; however, it is not factored into the Acceptance Criteria.



Received: 04/06/2009	Completed: 04/16/2009	Letter: E1	rb	P.O.#:	Test Report #:	2-78073-1-
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Client's Identification	Vulite Pro Backlit Material For Quality Rear-Illuminated Signage.
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Tested For: Jaime L. Giannantonio Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869	Key Test: CA 1237 Sm WL Tel: 1-(973)-627-8608 Fax: 1-(973)-627-8506	105 Ext: 124
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CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

☒ Complies; ☐ Does not comply

REMARKS: None.

NOTE: In August 1993 the State Fire Marshal issued a proposed revision, which permitted a maximum average afterflame of 4.0 seconds. This proposed revision was honored by the subsequent State Fire Marshal until approximately February 2004, at which time the State Fire Marshal's office reverted to the unrevised rule of 2.0 seconds maximum average for exterior fabric.

In a conversation with the latest California State Fire Marshal on August 9, 2007, it was learned that the proposed 1993 revision is now back in effect. In addition to allowing 4 seconds Afterflame rather than 2 seconds, the proposed revision provides for testing of 10 specimens, rather than 6 specimens.

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 (Proposed Revision 8/9/93).

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. /jb/mg

MS. HEATHER ROBERTSON

MAY 01 2009

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Received:04/06/2009 Completed:05/01/2009 Letter: E2 rb P.O.#: Test Report #: 2-78073-2-

Client's Identification Vulite Pro Backlit Material For Quality Rear-Illuminated Signage.

Tested For: **Jaime L. Giannantonio** Key Test: CA 1237 Sm AW 105
Ultraflex Systems Inc.
1578 Sussex Tpk., Bldg. #4 Tel: 1-(973)-627-8608 Ext: 124
Randolph, NJ 07869 Fax: 1-(973)-627-8506

PC: 1H /jd

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

RESULTS REPORTED: [] Initially
[] After 72 hours water leaching
[x] After 100 hours weathering

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	0.0	0.0	4.4
	2	0.0	1.4	4.9
	3	0.0	0.0	3.8
	4	4.3	0.0	4.4
	5	0.0	0.0	3.6
	Avg:	0.9		
Fill:	6	1.0	0.0	3.9
	7	0.8	0.0	3.6
	8	1.0	0.0	3.9
	9	1.0	0.0	4.2
	10	0.0	0.0	4.3
	Avg:	0.8		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 16.2 oz/yd²

ACCEPTANCE CRITERIA:

Afterflame: 4.0 seconds maximum avg for length or width
Afterglow: (see Note #2 below)
Char Length: 6.0" maximum for any individual specimen

Notes:

1. An asterisk (*) next to any char length measurements 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/yd².
2. Afterglow is required to be reported; however, it is not factored into the Acceptance Criteria.



Received: 04/06/2009	Completed: 05/01/2009	Letter: E2	rb	P.O.#:	Test Report #:	2-78073-2-
Client's Identification	Vulite Pro Backlit Material For Quality Rear-Illuminated Signage.					
Tested For: Jaime L. Giannantonio			Key Test: CA 1237 Sm AW		105	
Ultraflex Systems Inc.			Tel: 1-(973)-627-8608		Ext: 124	
1578 Sussex Tpk., Bldg. #4			Fax: 1-(973)-627-8506			
Randolph, NJ 07869						

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

☒ Complies; ☐ Does not comply

REMARKS: None.

NOTE: In August 1993 the State Fire Marshal issued a proposed revision, which permitted a maximum average afterflame of 4.0 seconds. This proposed revision was honored by the subsequent State Fire Marshal until approximately February 2004, at which time the State Fire Marshal's office reverted to the unrevised rule of 2.0 seconds maximum average for exterior fabric.

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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 (Proposed Revision 8/9/93).

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MS. HEATHER ROBERTSON

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MAY 01 2009