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Received: 09/02/2010	Completed: 09/08/2010	Letter: V her	r P.O.#:		Test Report #:	2-84	463-0-
Client's Style:			OU NORMALINIONA	yd². En	d Use: Sign & Banner ba		
Identification Tested For: Jaime	I Giannantonio		Va	Toote	NEDA 701 2010 TM#2 I	Flat	240
property and the second	ex Systems Inc.		Ke	y Test:	NFPA 701-2010 TM#2 I	riat	340
1578 St	ussex Tpk., Bldg. #4 ph, NJ 07869				1-(973)-664-6724 1-(973)-627-8506	Ext:	
						1000	
					PC:1H		
TEST PERFORMED: - 2010 Edition -	NFPA 701 - Standa - Test Method #2 -	ard Methods of Fi Flat Sheet Specin	re Tests for mens	Flame	Propagation of Tex	tiles and I	Films
SPECIMEN CONFIGU	JRATION: [x] Sing	le Layer; [ ] Mu	lti Layer				
RESULTS REPORTED	[] After 3 dry	/ cleanings underings @ 160°F	[ ] After		ours water leaching cours accelerated we	eathering	
RESULTS:							
Length	Afterflame	Drip Burn		Char	Length		
Specimen #	(seconds)	(seconds)		(mm)			
					-		
1 2	0	0		140			
3	0	0		120			
4	0	0		100 190			
5	0	0					
6	0	0		120			
7	0	0		100 130			
8	0	0					
9	0	0		140			
10	0	0		130 120			
APPROXIMATE WEIG	GHT OF MATERIAL (as	s measured by Govi	mark): 565 <u>c</u>	∫/m²			
FAILURE CRITERIA	A: For each indiv	idual specimen -	-				
Afterflame	D1	rip Burn	Char	Leng	th		
Exceeds 2.0	seconds Ex	ceeds 2.0 second	s Exce	eds 4	35 mm (17.1")		
RETEST PROVISION	N: Test 5 addition	nal specimens if	only 1 specim	nen fa	ils.		
CONCLUSION: Bas	sed on the above Re	esults and Failure	e Criteria, t	he it	em tested:		
[x] Passes;	[ ] Fails; [ ] Re	equires testing of	f 5 additiona	ıl spe	ecimens		
					testing specimens on Test Method #2 F		nce
Leithee	F. Rakeilse	2					
AUTHORIZED SIGNATHE GOVMARK ORGA	ATURE ANIZATION, INC. / e	ec/mo/ (Pac	ge 1 of 2)				



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Received:09/02/2010 Completed:09/08/2010 Letter: V her P.O.#: Test Report #: 2-84463-0-Client's Style: Vulite Pro. Content: Polyester. Finish: PVC. Weight: 13 oz/yd2. End Use: Sign & Banner backlit Vinyl. Identification Tested For: Jaime L. Giannantonio Key Test: NFPA 701-2010 TM#2 Flat 340 Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Tel: 1-(973)-664-6724 Ext: Randolph, NJ 07869 Fax: 1-(973)-627-8506

PRECONDITIONING: [x] 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:  $mm \div 25.4 = inches$  $g/m^2 \div 28.35 \times .835 = oz/yd^2$ 



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Received:09/02/2010	Completed: 09/13	/2010 Letter: V1	her	P.O.#:			Test Report #	<b>#•</b>	2-84463-1-
		nt: Polyester. Finish: P	VC.	Weight: 13 oz/	yd². En				
Tested For: Jaime L				Ke	y Test:	: NFPA	701-2010 TM	1#2 Flat WL	490
	Systems Inc.								
	sex Tpk., Bldg. #4 1, NJ 07869	•					)-664-6724 )-627-8506	Ext:	
					THAT	1 (773)	j-027-0300		
							PC:	1н	
TEST PERFORMED: - 2010 Edition -	NFPA 701 - St Test Method #	andard Methods of 2 - Flat Sheet Spe	Fire ecime	e Tests for	Flame	Propa	agation of	Textiles a	nd Films
SPECIMEN CONFIGUR	ATION: [x] S	ingle Layer; [ ]	Mult	i Layer					
RESULTS REPORTED:	[ ] Initial	ly		[x] After	72 ho	nırs wa	ter leachi	na	
		dry cleanings launderings @ 160	)°F				ccelerated		g
RESULTS:									
Length	Afterflame	Drip Bu	ırn		Char	Length			
Specimen #	(seconds)	(second			(mm)	nerig til			
						-			
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 9	0	0			152				
A STATE OF THE STA	0	0			130				
10	0	0			146				
APPROXIMATE WEIGHT	OF MATERIAL	(as measured by G	ovma	rk): 565 g/	m²				
FAILURE CRITERIA:	For each ind	ividual specimen							
Afterflame		Drip Burn			Lengt				
Exceeds 2.0 sec	conds	Exceeds 2.0 seco					(17.1")		
RETEST PROVISION:	Test 5 addit	ional specimens i	f onl	ly 1 specim	en fai	ils.			
CONCLUSION: Based	on the above	Results and Fail	ure (	Criteria, t	he ite	em test	ted:		
[x] Passes; [	] Fails; [ ]	Requires testing	of 5	additiona	l spec	cimens			
CERTIFICATION: I with the procedure Specimens.	certify that s and equipme	the above results nt specified by N	were FPA 7	e obtained a	after Editic	testir on Test	ng specimen : Method #2	s in accor	dance t
AUBUODI GED. GIOVABU									
AUTHORIZED SIGNATU									
THE GOVMARK ORGANI	ZATION, INC.								
		( H	age	1 of 2)					



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Received: 09/02/2010 Completed: 09/13/2010 Letter: V1 her P.O.#: Test Report #: 2-84463-1-Style: Vulite Pro. Content: Polyester. Finish: PVC. Weight: 13 oz/yd². End Use: Sign & Banner backlit Vinyl. Client's Identification 490 Key Test: NFPA 701-2010 TM#2 Flat WL Tested For: Jaime L. Giannantonio Ultraflex Systems Inc. Tel: 1-(973)-664-6724 Ext: 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869 Fax: 1-(973)-627-8506

PRECONDITIONING: [x] 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:  $mm \div 25.4 = inches$  $g/m^2 \div 28.35 \times .835 = oz/yd^2$ 



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



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Received:04/0	6/2009 Completed: 04/08/2009	Letter: E	rb	P.O.#:	Test Report #:	2-780	)73-0-
Client's Identification	Vulite Pro Backlit Material For	Quality Rear-	Illumina	ted Signage.			
	aime L. Giannantonio			Key Test	: CA 1237 Sm		105
1.	ltraflex Systems Inc. 578 Sussex Tpk., Bldg. #4 andolph, NJ 07869				1-(973)-627-8608 1-(973)-627-8506	Ext: 124	

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
1	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.



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eceived:04/	06/2009 Completed: 04/08/2009	Letter: E	rb	P.O.#:	Test Report #:	2-780	73-0-
Client's Identificatio	Vulite Pro Backlit Material For	r Quality Rear-	·Illumina	ted Signage.			
Tested For:	Jaime L. Giannantonio			Key Te	est: CA 1237 Sm		105
	Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869				el: 1-(973)-627-8608 ax: 1-(973)-627-8506	Ext: 124	

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

[x] 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. /mg

MS. HEATHER ROBERTSON

MAY 0 1 2009



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Received:04/0	6/2009	Completed: 04/16/2009	Letter: E1	rb	P.O.#:	Test Report #:	2-78073-1-
Clientle	1375-1244	Dro Dooldit Motorial For	Quality Page Illy	ıminat	ted Signage		

Identification

Vulite Pro Backlit Material For Quality Rear-Illuminated Signage.

Tested For: Jaime L. Giannantonlo

Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869 Key Test: CA 1237 Sm WL

105

Tel: 1-(973)-627-8608

Ext: 124

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
ļ	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
ļ	8	0.0	0	4.2
1	9	0.0	0	4.7
	10	0.0	0	2.9
l l	Avq:	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.



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Received:04/0	06/2009 Completed: 04/16/2009	Letter: E1	rb	P.O.#:	Test Report #:	2-78	073-1-
Client's Identification	Vulite Pro Backlit Material For	Quality Rear-l	Illumina	ted Signage.			
	Jaime L. Giannantonio			Key Test:	CA 1237 Sm WL	•	105
	Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869				1-(973)-627-8608 1-(973)-627-8506	Ext: 124	

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

[x] 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/x

MS. HEATHER ROBERTSON

MAY 0 1 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 Vulite Pro Backlit Material For Quality Rear-I Identification	llumina	ted Signage.		
Tested For: Jaime L. Giannantonio		Key 7	Test: CA 1237 Sm AW	105
Ultraflex Systems Inc.				
1578 Sussex Tpk., Bldg. #4		•	Tel: 1-(973)-627-8608	Ext: 124
Randolph, NJ 07869		J	ax: 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)
		<b></b>	<b></b>	
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
1	Ava:	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.



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

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

[ ] Does not comply [x] Complies;

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//Y

MS. HEATHER ROBERTSON

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MAY 0 1 2009