



Received:06/12/2009 Completed:06/17/2009 Letter: J rb P.O.#: Test Report #: 2-79151-0-

Client's Identification Style: Strip/Ultra Mesh Plus-Quality Mesh Banner Material. Content: Polyester.

Tested For: **Jaime L. Giannantonio** Key Test: NFPA 701-2004 TM#2 Flat 310
 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

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2004 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	180
2	0	0	220
3	0	0	220
4	0	0	210
5	0	0	200
6	0	0	200
7	0	0	180
8	0	0	180
9	0	0	180
10	0	0	150

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 268 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 - 2004 Edition Test Method #2 Flat Sheet Specimens.

Heather E. Robertson

AUTHORIZED SIGNATURE
 THE GOVMARK ORGANIZATION, INC.
 MS. HEATHER ROBERTSON

1jb/mg

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JUN 24 2009



Received:06/12/2009	Completed:06/17/2009	Letter: J	rb	P.O.#:	Test Report #:	2-79151-0-
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Client's Identification	Style: Strip/Ultra Mesh Plus-Quality Mesh Banner Material. Content: Polyester.
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Tested For: Jaime L. Giannantonio Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869	Key Test: NFPA 701-2004 TM#2 Flat	310
	Tel: 1-(973)-627-8608	Ext: 124
	Fax: 1-(973)-627-8506	

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

REMARKS:
None.

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

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Received:06/12/2009	Completed:06/16/2009	Letter: I	rb	P.O.#:	Test Report #:	2-79150-0-
Client's Identification	Style: Strip/Ultra Mesh Plus-Quality Mesh Made For In and Outdoor Mesh Banner and Signage. For UV & Solvent Printing.					
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		

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
 After 100 hours weathering

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	0	0	4.8
	2	0	0	3.9
	3	0	0	3.8
	4	0	0	3.9
	5	0	0	4.3
	Avg:	0		
Fill:	6	0	0	6.0
	7	0	0	4.7
	8	0	0	4.4
	9	0	0	3.8
	10	0	0	4.6
	Avg:	0		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 8.0 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:06/12/2009	Completed:06/16/2009	Letter: I	rb	P.O.#:	Test Report #:	2-79150-0-
Client's Identification	Style: Strip/Ultra Mesh Plus-Quality Mesh Made For In and Outdoor Mesh Banner and Signage. For UV & Solvent Printing.					
Tested For:	Jaime L. Giannantonio			Key Test: CA 1237 Sm		105
Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869			Tel: 1-(973)-627-8608 Fax: 1-(973)-627-8506		Ext: 124	

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. Roberts

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. /mg

MS. HEATHER

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JUN 29 2009

Received: 06/12/2009	Completed: 06/22/2009	Letter: 11	rb	P.O.#:	Test Report #:	2-79150-1-
Client's Identification	Style: Strip/Ultra Mesh Plus-Quality Mesh Made For In and Outdoor Mesh Banner and Signage. For UV & Solvent Printing.					
Tested For: Jaime L. Giannantonio	Key Test: CA 1237 Sm WL				255	
Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869			Tel: 1-(973)-627-8608 Fax: 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: [] Initially
[x] After 72 hours water leaching
[] After 100 hours weathering

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	0	0	6.3 (*)
	2	0	0	4.7
	3	0	0	5.3
	4	0	0	3.7
	5	0	0	5.2
	Avg:	0		
Fill:	6	0	0	5.4
	7	0	0	5.0
	8	0	0	4.0
	9	0	0	5.1
	10	0	0	4.9
	Avg:	0		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 8.0 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:06/12/2009	Completed:06/22/2009	Letter: II	rb	P.O.#:	Test Report #:	2-79150-1-
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Client's Identification	Style: Strip/Ultra Mesh Plus-Quality Mesh Made For In and Outdoor Mesh Banner and Signage. For UV & Solvent Printing.					
Tested For:	Jaime L. Giannantonio	Key Test: CA 1237 Sm WL			255	
	Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869	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.

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THE GOVMARK ORGANIZATION, INC. /mg

MS. HEATHER ROBERTSON
JUN 29 2009

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Received:06/12/2009	Completed:06/29/2009	Letter: I2	rb	P.O.#:	Test Report #:	2-79150-2-
Client's Identification	Style: Strip/Ultra Mesh Plus-Quality Mesh Made For In and Outdoor Mesh Banner and Signage. For UV & Solvent Printing.					
Tested For: Jaime L. Giannantonio	Ultraflex Systems Inc.				Key Test: CA 1237 Sm AW	955
1578 Sussex Tpk., Bldg. #4	Randolph, NJ 07869		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
[] After 72 hours water leaching
[x] After 100 hours weathering

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	0	0	4.9
	2	0	0	4.5
	3	0	0	5.2
	4	0	0	4.6
	5	0	0	4.8
	Avg:	0		
Fill:	6	0	0	5.5
	7	0	0	4.0
	8	0	0	3.9
	9	0	0	3.8
	10	0	0	4.1
	Avg:	0		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 8.0 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.
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Received: 06/12/2009	Completed: 06/29/2009	Letter: I2	rb	P.O.#:	Test Report #:	2-79150-2-
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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 AW	955
				Tel: 1-(973)-627-8608	Ext: 124	
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CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

Complies; Does not comply

REMARKS: None.

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THE GOVMARK ORGANIZATION, INC. /mg

MS. HEATHER ROBERTSON
JUN 29 2009

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

REGISTERED FLAME RESISTANT PRODUCT

Product:

STRIP/ULTRAMESH PLUS

Registration No.

F-79601

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: 6/30/2016



Report on the trial results of the fire-tunnel tests according to DIN 4102-1

Test-Nr.	01.52.3821.04	Date:	11 th March, 2004
Applicant			
Material tested	Coated fabric		
Material name	Mesh 9oz		

Material data

Test thickness	mm	Climatised storage	yes
Average surface area mass	kg/m ²	Preliminary end of test	no
Average raw density	kg/m ³	No. of tests required for main examination	
Glow remains according to DIN 52330	%	Miscellaneous details:	

Test units		A	B	C	D
First flames *)	min, sec	0:04			
Max. flame height	cm	50 / 60			
Point of time *)	min, sec	0:25/2:00			
Melting point *)	min, sec	0:05			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	-			
Burning components drop down	min, sec	0:20			
Extent		strong			
Continuation of burning on the perforated bottom **)	min, sec	0:30			
Max. smoke temperature	°C	114			
Appeared after *)	min, sec	10:00			
Smoke density		strong			
Glowing particles after test end **)	min, sec	-			
Remaining lengths	Test 1	cm	54		
	Test 2	cm	56		
	Test 3	cm	58		
	Test 4	cm	52		
Average value of single test		cm	55		

Remarks: 1:10 Decrease of the flame height to 40 cm. 2:25 Flame height 40 cm.

The test material passed the „Brandschacht“ to DIN 4102-B1.

[Signature]
i. V. Dreckmann

[Signature]
i. A. Maßmann

*) Point of time referred to the test beginning

***) Time period

Art der Anforderung	Anforderungen		
	A 1	A 2	B 1
Brandschacht			
- Restlänge			
a) Mittelwert jedes Schachtes	> 35 cm	> 35 cm	> 15 cm
b) Einzelwerte	> 20 cm	> 20 cm	> 0 cm
- Rauchgastemperatur	< 125 °C	< 125 °C	< 200 °C
- Entflammung auf der Probenrückseite	nein	nein	zulässig
- Brandparallelscheinungen	kein Anlass zu Bedenken		
weitere Nachweise	750°C Ofen, Rauchdichte, Toxizität ggf. Heizwert	B2-Brennkasten	

This information sheet is not a certificate of building material class according to DIN 4102-1.

quick - mix Gruppe GmbH & Co. KG

Mühlenschweg 7 ♦ 49090 Osnabrück ♦ Tel. +49 5 41 6 01-03 ♦ Fax 6 01-769

