



Received: 09/02/2010	Completed: 09/08/2010	Letter: R	her	P.O.#:	Test Report #:	2-84459-0-RV
Client's Identification	Style: ImageStar Banner 10 oz. PVC Scrim.					
Tested For: Judy Heft				Key Test: NFPA 701-2010 TM#2 Flat RVNC		
Nazdar Source One 8501 Hedge Lane Terrace Shawnee, KS 66227				Tel: 1-(888)-578-5713		Ext:
				Fax: 1-(888)-258-5050		

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	0.0	180
2	0	0.0	90
3	0	0.0	100
4	0	0.0	160
5	0	1.5	170
6	0	0.0	120
7	0	0.0	130
8	0	0.0	170
9	0	0.0	190
10	0	0.0	170

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 352 g/m²

FAILURE CRITERIA: For each individual specimen --

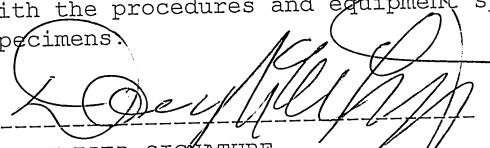
Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

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

RV. 01.10.13/gb

Douglas W. Lipp

JAN 16 2013



Received: 09/02/2010	Completed: 09/08/2010	Letter: R	her	P.O.#:	Test Report #:	2-84459-0-RV
Client's Identification	Style: ImageStar Banner 10 oz. PVC Scrim.					
Tested For: Judy Heft Nazdar Source One 8501 Hedge Lane Terrace Shawnee, KS 66227				Key Test: NFPA 701-2010 TM#2 Flat RVNC Tel: 1-(888)-578-5713 Ext: Fax: 1-(888)-258-5050		

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

REMARKS: 1. Client requested that the restraining clamp binder clips be eliminated to replicate the provisions of the 1996 Test Method #1 version of this document.
 2. The test completion date that appears on this report is the same date as the report prior to this revision and not the date of authorized signature.

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



Received: 09/02/2010 Completed: 09/13/2010 Letter: R1 her P.O.#: Test Report #: 2-84459-1-RV

Client's Identification Style: ImageStar Banner 10 oz. PVC Scrim.

Tested For: **Judy Heft**
Nazdar Source One
8501 Hedge Lane Terrace
Shawnee, KS 66227

Key Test: NFPA 701-2010 TM#2 Flat WL
RVNC
Tel: 1-(888)-578-5713 Ext:
Fax: 1-(888)-258-5050

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	250
2	0	0	230
3	0	0	130
4	0	0	160
5	0	0	162
6	0	0	170
7	0	0	130
8	0	0	150
9	0	0	190
10	0	0	184

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 352 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.

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JAN 16 2013



Received:09/02/2010	Completed:09/13/2010	Letter: R1	her	P.O.#:	Test Report #:	2-84459-1-RV
Client's Identification	Style: ImageStar Banner 10 oz. PVC Scrim.					
Tested For: Judy Heft	Nazdar Source One 8501 Hedge Lane Terrace Shawnee, KS 66227			Key Test: NFPA 701-2010 TM#2 Flat WL RVNC Tel: 1-(888)-578-5713 Ext: Fax: 1-(888)-258-5050		

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

REMARKS: 1. Client requested that the restraining clamp binder clips be eliminated to replicate the provisions of the 1996 Test Method #1 version of this document.
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CONVERSION FACTORS:
mm ÷ 25.4 = inches
g/m² ÷ 28.35 x .835 = oz/yd²

(Page 2 of 2)

Received:06/25/2009 Completed:06/26/2009 Letter: F rb P.O.#: Test Report #: 2-79319-0-RV

Client's Identification Style: ImageStar Banner 10 oz. PVC Scrim.

Tested For: **Judy Heft**

Nazdar Source One
8501 Hedge Lane Terrace
Shawnee, KS 66227

Key Test: CA 1237 Sm RVNC

Tel: 1-(888)-578-5713 Ext:
Fax: 1-(888)-258-5050

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	3.7
	2	0	0	4.2
	3	0	0	4.2
	4	0	0	4.4
	5	0	0	4.3
	Avg:	0		
Fill:	6	0	0	5.3
	7	0	0	5.2
	8	0	0	4.6
	9	0	0	5.1
	10	0	0	4.4
	Avg:	0		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 11.2 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:06/25/2009	Completed:06/26/2009	Letter: F	rb	P.O.#:	Test Report #:	2-79319-0-RV
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Client's Identification Style: ImageStar Banner 10 oz. PVC Scrim.

Tested For: Judy Heft

Nazdar Source One
8501 Hedge Lane Terrace
Shawnee, KS 66227

Key Test: CA 1237 Sm RVNC

Tel: 1-(888)-578-5713
Fax: 1-(888)-258-5050
Ext:

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

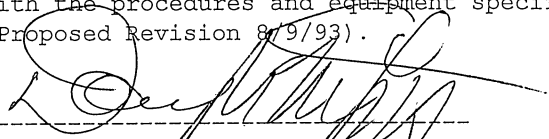
Complies; Does not comply

REMARKS: The test completion date that appears on this report is the same date as the report prior to this revision and not the date of authorized signature.

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. /jlb

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(Page 2 of 2)

Douglas W. Lipp

JAN 16 2013

Received: 06/25/2009 Completed: 07/07/2009 Letter: F1 rb P.O.#: Test Report #: 2-79319-1-RV

Client's Identification Style: ImageStar Banner 10 oz. PVC Scrim.

Tested For: **Judy Heft** Key Test: CA 1237 Sm WL RVNC
 Nazdar Source One
 8501 Hedge Lane Terrace Tel: 1-(888)-578-5713 Ext:
 Shawnee, KS 66227 Fax: 1-(888)-258-5050

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	1.0	2.9	4.5
	2	0.0	0.9	4.5
	3	0.0	1.6	5.0
	4	0.0	0.7	4.2
	5	0.0	0.0	3.8
	Avg:	0.2		
Fill:	6	0.0	0.0	4.0
	7	0.0	1.9	4.2
	8	1.0	0.0	3.7
	9	0.0	1.7	4.1
	10	0.0	0.8	4.5
	Avg:	0.2		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 11.2 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:06/25/2009	Completed:07/07/2009	Letter: F1	rb	P.O.#:	Test Report #:	2-79319-1-RV
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Tested For: Judy Heft	Nazdar Source One 8501 Hedge Lane Terrace Shawnee, KS 66227			Key Test: CA 1237 Sm WL RVNC Tel: 1-(888)-578-5713 Fax: 1-(888)-258-5050		

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

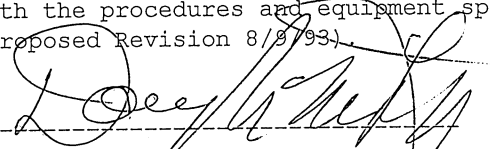
Complies; Does not comply

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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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(Page 2 of 2)

Douglas W. Lipp

JAN 16 2013



Received: 06/25/2009 Completed: 07/07/2009 Letter: F2 rb P.O.#: Test Report #: 2-79319-2-RV

Client's Identification Style: ImageStar Banner 10 oz. PVC Scrim.

Tested For: **Judy Heft**

Nazdar Source One
8501 Hedge Lane Terrace
Shawnee, KS 66227

Key Test: CA 1237 Sm AW RVNC

Tel: 1-(888)-578-5713 Ext:
Fax: 1-(888)-258-5050

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	2.4	4.5
	2	0.0	0.0	4.5
	3	2.3	0.0	5.5
	4	0.0	2.0	5.8
	5	1.4	0.0	4.9
	Avg:	0.7		
Fill:	6	0.0	0.0	4.1
	7	0.0	2.1	4.6
	8	0.0	0.0	4.8
	9	1.9	0.0	5.6
	10	1.7	0.0	5.0
	Avg:	0.7		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 11.2 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.
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Nazdar Source One 8501 Hedge Lane Terrace Shawnee, KS 66227				Tel: 1-(888)-578-5713		Ext:
				Fax: 1-(888)-258-5050		

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

Complies; Does not comply

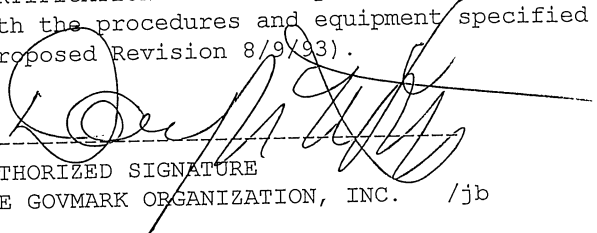
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(Page 2 of 2)

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