



Received: 02/21/2012 Completed: 02/27/2012 Letter: H rb P.O.#: Test Report #: 2-91109-0-RV

Client's Identification Style: ImageStar Banner 13 oz. Double Side Block Out Pro.

Tested For: **Judy Heft** Key Test: NFPA 701-2010 TM#2 Flat RVNC
Nazdar Source One
8501 Hedge Lane Terrace Tel: 1-(888)-578-5713 Ext:
Shawnee, KS 66227 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

Length Specimen #	Afterflame (seconds)	Drip Burn (seconds)	Char Length (mm)
1	0	0	245
2	0	0	170
3	0	0	162
4	0	0	175
5	0	0	183
6	0	0	197
7	0	0	152
8	0	0	175
9	0	0	183
10	0	0	165

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 460 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. /rb

RV.01.10.13/gb

Douglas W. Lipp

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JAN 16 2013



Received: 02/21/2012	Completed: 02/27/2012	Letter: H	rb	P.O.#:	Test Report #: 2-91109-0-RV
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Client's Identification	Style: ImageStar Banner 13 oz. Double Side Block Out Pro.
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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
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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 the authorized signature.

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

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Received: 02/21/2012 Completed: 03/02/2012 Letter: H1 rb P.O.#: Test Report #: 2-91109-1-RV

Client's Identification Style: ImageStar Banner 13 oz. Double Side Block Out Pro.

Tested For: **Judy Heft** Key Test: NFPA 701-2010 TM#2 Flat WL
Nazdar Source One RVNC
8501 Hedge Lane Terrace Tel: 1-(888)-578-5713 Ext:
Shawnee, KS 66227 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	150
2	0	0	147
3	0	0	130
4	0	0	117
5	0	0	120
6	0	0	133
7	0	0	129
8	0	0	119
9	0	0	141
10	0	0	156

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 460 g/m²

FAILURE CRITERIA: For each individual specimen --

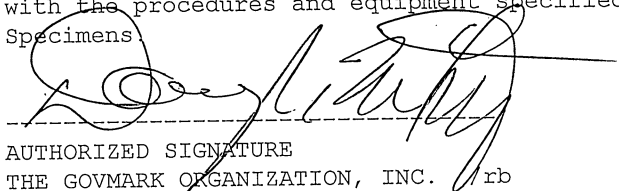
Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

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:02/21/2012	Completed:03/02/2012	Letter: H1	rb	P.O.#:	Test Report #:	2-91109-1-RV
Client's Identification	Style: ImageStar Banner 13 oz. Double Side Block Out Pro.					
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.
 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

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Received: 04/03/2012	Completed: 04/06/2012	Letter: J	rb	P.O.#:	Test Report #:	2-91720-0-RV
Client's Identification	Style: ImageStar Banner 13 oz. Double Side Block Out PRO.					
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	1.1	4.2
	2	0.0	1.0	4.4
	3	0.0	1.3	5.0
	4	0.0	0.4	4.3
	5	0.0	2.0	3.2
	Avg:	0.0		
Fill:	6	0.0	0.9	4.2
	7	0.0	0.0	5.4
	8	0.0	1.1	4.8
	9	1.7	0.7	5.2
	10	0.0	0.3	3.5
	Avg:	0.3		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 13.9 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: 04/03/2012	Completed: 04/06/2012	Letter: J	rb	P.O.#:	Test Report #:	2-91720-0-RV
Client's Identification	Style: ImageStar Banner 13 oz. Double Side Block Out PRO.					
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			

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. This information has been verified current per an April 28, 2010 conversation with the California State Fire Marshall.

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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Douglas W. Lipp

JAN 16 2013



Received:04/03/2012 Completed:04/10/2012 Letter: J1 rb P.O.#: Test Report #: 2-91720-1-RV

Client's Identification Style: ImageStar Banner 13 oz. Double Side Block Out PRO.

Tested For: **Judy Heft** Key Test: CA 1237 Sm WL RVNC
Nazdar Source One
8501 Hedge Lane Terrace
Shawnee, KS 66227
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
[x] After 72 hours water leaching
[] After 100 hours weathering

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	0.0	0.5	4.4
	2	1.0	0.8	5.9
	3	2.9	0.3	5.8
	4	0.0	0.7	4.6
	5	1.6	0.0	4.0
	Avg:	1.1		
Fill:	6	3.0	0.9	4.4
	7	0.0	0.8	4.8
	8	2.1	0.0	5.1
	9	0.5	0.3	4.7
	10	1.2	0.5	5.6
	Avg:	1.4		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 13.9 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: 04/03/2012	Completed: 04/10/2012	Letter: J1	rb	P.O.#:	Test Report #:	2-91720-1-RV
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Client's Identification	Style: ImageStar Banner 13 oz. Double Side Block Out PRO.
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Tested For: Judy Heft Nazdar Source One 8501 Hedge Lane Terrace Shawnee, KS 66227	Key Test: CA 1237 Sm WL Tel: 1-(888)-578-5713 Fax: 1-(888)-258-5050	RVNC Ext:
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CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

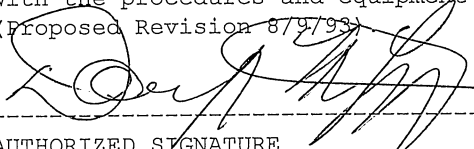
Complies; Does not comply

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.

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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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Douglas W. Lipp

JAN 16 2013



Received: 04/03/2012	Completed: 04/17/2012	Letter: J2	rb	P.O.#:	Test Report #:	2-91720-2-RV
Client's Identification	Style: ImageStar Banner 13 oz. Double Side Block Out Pro.					
Tested For: Judy Heft	Key Test: CA 1237 Sm AW RVNC					
Nazdar Source One 8501 Hedge Lane Terrace Shawnee, KS 66227	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
[x] After 100 hours weathering

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	2.0	0.0	5.0
	2	0.0	2.6	4.6
	3	1.4	1.1	4.6
	4	0.0	0.0	4.8
	5	0.0	1.5	3.8
	Avg:	0.7		
Fill:	6	3.1	0.0	5.2
	7	1.1	0.0	4.4
	8	2.5	0.0	5.0
	9	3.5	0.0	5.1
	10	4.3	0.2	4.5
	Avg:	2.9		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 13.9 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: 04/03/2012	Completed: 04/17/2012	Letter: J2	rb	P.O.#:	Test Report #:	2-91720-2-RV
Client's Identification	Style: ImageStar Banner 13 oz. Double Side Block Out Pro.					
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 Fax: 1-(888)-258-5050		

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

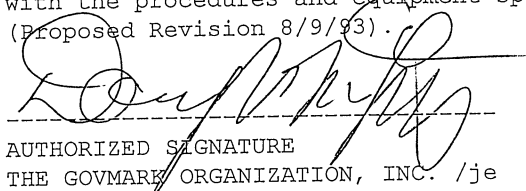
Complies; Does not comply

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.

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Douglas W. Lipp

JAN 16 2013