



Received: 10/10/2017 Completed: 10/11/2017 Letter: O BG P.O.#: CFVME1701653 Test Report #: 3-21647-0-

Client's Identification Lot No.: 40032X/07. Date of Mfg.: September 25, 2017. Style: Screen Ultimetal. Special Instruction: Color = All.
 (see continuation)

Tested For: **Corinne Vittoz** Key Test: NFPA 701-2015 TM#1 250
 Mernet SAS
 58 Rue du Mont Maurin Tel: 011 33 01 474 336615 Ext:
 38630 Veyrins- FRANCE Fax:

CLIENT'S IDENTIFICATION (continuation): Composition: 36% Fiberglass + 64% PVC Fireproofed in the mass + metallized on one side. Weight: 400 g/m² +/- 5%. Thickness: 0.44 mm +/- 0.04 mm. Product End Use: Sun protection. Additional Information: Internal Blind.

LE:2015 NE:2019 V:01/15 NTR 04/16 PC: 0.5H DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2015 Edition - Test Method #1

PRODUCT CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially; After 3 dry cleanings; After 5 launderings @ 160°F

RESULTS:

Specimen #	Afterflame* (seconds)	Flaming Drip (seconds)	Weight Loss (percent)
1	0	0	6.4
2	0	0	5.5
3	0	0	6.6
4	0	0	4.8
5	0	0	6.5
6	0	0	7.1
7	0	0	6.5
8	0	0	7.8
9	0	0	8.6
10	0	0	10.5
	Mean: 0	Mean: 0	7.0

STATISTICAL VALUES: SD = 1.6 3 SD = 4.9 Mean + 3 SD = 11.9

ABBREVIATIONS USED: SD = Standard deviation. NT = Not tested.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 408 g/m²

PRECONDITIONING: 0.5 hr @ 220°F (Standard)
 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

CONVERSION FACTOR: g/m² ÷ 28.35 x .835 = oz/yd²

NOTE:

1. All specimens prepared in the length direction.
2. See addendum for individual specimen weights.



Received: 10/10/2017 Completed: 10/11/2017 Letter: O BG P.O.#: CFVME1701653 Test Report #: 3-21647-0-

Client's Identification Lot No.: 40032X/07. Date of Mfg.: September 25, 2017. Style: Screen Ultimetal. Special Instruction: Color = All.
 (see continuation)

Tested For: **Corinne Vittoz** Key Test: NFPA 701-2015 TM#1 250
 Mernet SAS
 58 Rue du Mont Maurin Tel: 011 33 01 474 336615 Ext:
 38630 Veyrins- FRANCE Fax:

REMARKS:
 Flames did not project above the top of the specimen.
 Flames projected above the top of the specimen; Specimen #'s _____
 Other: _____

FAILURE CRITERIA: As cited by NFPA 701 - 2015 Edition Test Method #1

Afterflame	Flaming Drip (Mean)	Weight Loss (percent)	
		Mean	Individual Specimen
*	Exceeds 2 seconds	Exceeds 40%	Exceeds Mean + 3 SD**


CONCLUSION: Based on the Results on page 1 and the above Failure Criteria cited by NFPA 701 - 2015 Edition Test Method #1, the item tested:

Passes; Fails; Requires testing of 10 additional specimens
 i.e. only one individual specimen failure was noted

* Afterflame is required to be recorded; however, the NFPA document does not factor it into the Failure Criteria reporting requirements. It should be noted that excessive afterflames could be cause for rejection by local fire authorities performing "match" field tests.

** See "Discussion" on Page 3.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.



 AUTHORIZED SIGNATURE
 GOVMARK
 /pm

Phyllis Pettit
 OCT 13 2017



Received: 10/10/2017	Completed: 10/11/2017	Letter: O	BG	P.O.#: CFVME1701653	Test Report #:	3-21647-0-
Client's Identification	Lot No.: 40032X/07. Date of Mfg.: September 25, 2017. Style: Screen Ultimetal. Special Instruction: Color = All. (see continuation)					
Tested For: Corinne Vittoz	Mermet SAS 58 Rue du Mont Maurin 38630 Veyrins- FRANCE				Key Test: NFPA 701-2015 TM#1	250
					Tel: 011 33 01 474 336615	Ext:
					Fax:	

** DISCUSSION:

Weight Loss - Individual Specimen Failure:

 The NFPA 701 document, as written, provides for a statistical calculation which provides for retest and a potential failure if any individual value exceeds the mean by three standard deviations. Govmark is of the opinion that this cannot mathematically occur, i.e. no individual result is mathematically capable of exceeding the mean plus three standard deviations. Therefore, in effect, Govmark is of the opinion that this "individual specimen criteria" has no meaning, since it cannot possibly result in a nonconformance.

Client Name : Mermet SAS
 Addendum to Test Report # : 3-21647-0
 Test : NFPA 701

<u>Specimen #</u>	<u>Weight Before Test (g)</u>	<u>Weight After Test (g)</u>	<u>Percent Weight Loss</u>
1	25.00	23.40	6.4
2	25.60	24.20	5.5
3	24.40	22.80	6.6
4	25.00	23.80	4.8
5	24.80	23.20	6.5
6	25.20	23.40	7.1
7	24.80	23.20	6.5
8	25.60	23.60	7.8
9	25.60	23.40	8.6
10	24.80	22.20	10.5

Mean Percent Weight Loss : 7.0
 Standard Deviation : 1.6
 3 x Standard Deviation : 4.9
 Mean + 3 x Standard Deviation : 11.9



Received: 10/10/2017 Completed: 10/11/2017 Letter: P BG P.O.#: CFVME1701653 Test Report #: 3-21648-0-

Client's Identification Lot No.: 40015U/05. Date of Mfg.: September 25, 2017. Style: Screen Ultimetel. Special Instructions: Color = All. (see continuation)

Tested For: **Corinne Vittoz** Key Test: NFPA 701-2015 TM#1 250
 Mermet SAS
 58 Rue du Mont Maurin Tel: 011 33 01 474 336615 Ext:
 38630 Veyrins- FRANCE Fax:

CLIENT'S IDENTIFICATION (continuation): Composition: 36% Fiberglass + 64% PVC Fireproofed in the mass + metallized on one side. Weight: 400 g/m² +/- 5%. Thickness: 0.44 mm +/- 0.04 mm. Product End Use: Sun protection. Additional Information: Internal Blind.

LE:2015 NE:2019 V:01/15 NTR 04/16 PC: 0.5H DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2015 Edition - Test Method #1

PRODUCT CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially; After 3 dry cleanings; After 5 launderings @ 160°F

RESULTS:

Specimen #	Afterflame* (seconds)	Flaming Drip (seconds)	Weight Loss (percent)
1	0	0	7.6
2	0	0	7.5
3	0	0	9.9
4	0	0	7.5
5	0	0	7.6
6	0	0	6.8
7	0	0	7.4
8	0	0	4.9
9	0	0	6.7
10	0	0	9.9
	Mean:	0	Mean: 7.6

STATISTICAL VALUES: SD = 1.5 3 SD = 4.4 Mean + 3 SD = 12.0

ABBREVIATIONS USED: SD = Standard deviation. NT = Not tested.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 392 g/m²

PRECONDITIONING: 0.5 hr @ 220°F (Standard)
 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

CONVERSION FACTOR: g/m² + 28.35 x .835 = oz/yd²

NOTE:

1. All specimens prepared in the length direction.
2. See addendum for individual specimen weights.



Received: 10/10/2017	Completed: 10/11/2017	Letter: P	BG	P.O.#: CFVME1701653	Test Report #:	3-21648-0-
Client's Identification	Lot No.: 40015U/05. Date of Mfg.: September 25, 2017. Style: Screen Ultimetal. Special Instructions: Color = All. (see continuation)					
Tested For: Corinne Vittoz	Key Test: NFPA 701-2015 TM#1				250	
Mermet SAS	Tel: 011 33 01 474 336615				Ext:	
58 Rue du Mont Maurin	Fax:					
38630 Veyrins- FRANCE						

REMARKS:

- Flames did not project above the top of the specimen.
- Flames projected above the top of the specimen; Specimen #'s _____
- Other: _____

FAILURE CRITERIA: As cited by NFPA 701 - 2015 Edition Test Method #1

Afterflame	Flaming Drip (Mean)	Weight Loss (percent)	
		Mean	Individual Specimen
*	Exceeds 2 seconds	Exceeds 40%	Exceeds Mean + 3 SD**

CONCLUSION: Based on the Results on page 1 and the above Failure Criteria cited by NFPA 701 - 2015 Edition Test Method #1, the item tested:

- Passes; Fails; Requires testing of 10 additional specimens
 i.e. only one individual specimen failure was noted

* Afterflame is required to be recorded; however, the NFPA document does not factor it into the Failure Criteria reporting requirements. It should be noted that excessive afterflames could be cause for rejection by local fire authorities performing "match" field tests.

** See "Discussion" on Page 3.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

 AUTHORIZED SIGNATURE
 GOVMARK
 /pm

Phyllis Pettit
 OCT 13 2017



Received: 10/10/2017	Completed: 10/11/2017	Letter: P	BG	P.O.#: CFVME1701653	Test Report #: 3-21648-0-
Client's Identification	Lot No.: 40015U/05. Date of Mfg.: September 25, 2017. Style: Screen Ultimetal. Special Instructions: Color = All. (see continuation)				
Tested For: Corinne Vittoz			Key Test: NFPA 701-2015 TM#1		250
Mermet SAS 58 Rue du Mont Maurin 38630 Veyrins- FRANCE			Tel: 011 33 01 474 336615		Ext:
			Fax:		

** DISCUSSION:

Weight Loss - Individual Specimen Failure:

 The NFPA 701 document, as written, provides for a statistical calculation which provides for retest and a potential failure if any individual value exceeds the mean by three standard deviations. Govmark is of the opinion that this cannot mathematically occur, i.e. no individual result is mathematically capable of exceeding the mean plus three standard deviations. Therefore, in effect, Govmark is of the opinion that this "individual specimen criteria" has no meaning, since it cannot possibly result in a nonconformance.

Client Name : Mermet SAS
Addendum to Test Report # : 3-21648.0
Test : NFPA 701

<u>Specimen #</u>	<u>Weight Before Test (g)</u>	<u>Weight After Test (g)</u>	<u>Percent Weight Loss</u>
1	23.80	22.00	7.6
2	24.00	22.20	7.5
3	24.20	21.80	9.9
4	24.00	22.20	7.5
5	23.80	22.00	7.6
6	23.60	22.00	6.8
7	24.20	22.40	7.4
8	24.60	23.40	4.9
9	23.80	22.20	6.7
10	24.20	21.80	9.9

Mean Percent Weight Loss : 7.6
Standard Deviation : 1.5
3 x Standard Deviation : 4.4
Mean + 3 x Standard Deviation : 12.0



Received: 10/10/2017 Completed: 10/11/2017 Letter: Q BG P.O.#: CFVME1701653 Test Report #: 3-21649-0-

Client's Identification Lot No.: 40046X/02. Date of Mfg.: September 25, 2017. Style: Screen Ultimetal. Special Instructions: Color = All. (see continuation)

Tested For: **Corinne Vittoz** Key Test: NFPA 701-2015 TM#1 250
 Mermet SAS
 58 Rue du Mont Maurin Tel: 011 33 01 474 336615 Ext:
 38630 Veyrins- FRANCE Fax:

CLIENT'S IDENTIFICATION (continuation): Composition: 36% Fiberglass + 64% PVC Fireproofed in the mass + metallized on one side. Weight: 400 g/m² +/- 5%. Thickness: 0.44 mm +/- 0.04 mm. Product End Use: Sun protection. Additional Information: Internal Blind.

LE:2015 NE:2019 V:01/15 NTR 04/16 PC: 0.5H DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2015 Edition - Test Method #1

PRODUCT CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially; After 3 dry cleanings; After 5 launderings @ 160°F

RESULTS:

Specimen #	Afterflame* (seconds)	Flaming Drip (seconds)	Weight Loss (percent)
1	0	0	7.6
2	0	0	8.2
3	0	0	7.3
4	0	0	7.3
5	0	0	6.5
6	0	0	6.6
7	0	0	7.5
8	0	0	7.3
9	0	0	6.6
10	0	0	4.9
	Mean: 0	Mean: 0	7.0

STATISTICAL VALUES: SD = 0.9 3 SD = 2.7 Mean + 3 SD = 9.7

ABBREVIATIONS USED: SD = Standard deviation. NT = Not tested.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 400 g/m²

PRECONDITIONING: 0.5 hr @ 220°F (Standard)
 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

CONVERSION FACTOR: g/m² + 28.35 x .835 = oz/yd²

- NOTE:
1. All specimens prepared in the length direction.
 2. See addendum for individual specimen weights.



Received: 10/10/2017 Completed: 10/11/2017 Letter: Q BG P.O.#: CFVME1701653 Test Report #: 3-21649-0-

Client's Identification Lot No.: 40046X/02. Date of Mfg.: September 25, 2017. Style: Screen Ultimetel. Special Instructions: Color = All. (see continuation)

Tested For: **Corinne Vittoz** Key Test: NFPA 701-2015 TM#1 250
 Mernet SAS
 58 Rue du Mont Maurin Tel: 011 33 01 474 336615 Ext:
 38630 Veyrins- FRANCE Fax:

REMARKS:

- Flames did not project above the top of the specimen.
- Flames projected above the top of the specimen; Specimen #'s _____
- Other: _____

FAILURE CRITERIA: As cited by NFPA 701 - 2015 Edition Test Method #1

Afterflame	Flaming Drip (Mean)	Weight Loss (percent)	
		Mean	Individual Specimen
*	Exceeds 2 seconds	Exceeds 40%	Exceeds Mean + 3 SD**

CONCLUSION: Based on the Results on page 1 and the above Failure Criteria cited by NFPA 701 - 2015 Edition Test Method #1, the item tested:

- Passes; Fails; Requires testing of 10 additional specimens
 i.e. only one individual specimen failure was noted

* Afterflame is required to be recorded; however, the NFPA document does not factor it into the Failure Criteria reporting requirements. It should be noted that excessive afterflames could be cause for rejection by local fire authorities performing "match" field tests.

** See "Discussion" on Page 3.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

Phyllis Pettit

AUTHORIZED SIGNATURE
 GOVMARK
 /pm

OCT 13 2017



Received: 10/10/2017	Completed: 10/11/2017	Letter: Q	BG	P.O.#: CFVME1701653	Test Report #: 3-21649-0-
Client's Identification	Lot No.: 40046X/02. Date of Mfg.: September 25, 2017. Style: Screen Ultimetal. Special Instructions: Color = All. (see continuation)				
Tested For: Corinne Vittoz Mermet SAS 58 Rue du Mont Maurin 38630 Veyrins- FRANCE			Key Test: NFPA 701-2015 TM#1		250
			Tel: 011 33 01 474 336615		Ext:
			Fax:		

** DISCUSSION:

Weight Loss - Individual Specimen Failure:

 The NFPA 701 document, as written, provides for a statistical calculation which provides for retest and a potential failure if any individual value exceeds the mean by three standard deviations. Govmark is of the opinion that this cannot mathematically occur, i.e. no individual result is mathematically capable of exceeding the mean plus three standard deviations. Therefore, in effect, Govmark is of the opinion that this "individual specimen criteria" has no meaning, since it cannot possibly result in a nonconformance.

Client Name : Mermet SAS
Addendum to Test Report # : 3-21649-0
Test : NFPA 701

<u>Specimen #</u>	<u>Weight Before Test (g)</u>	<u>Weight After Test (g)</u>	<u>Percent Weight Loss</u>
1	23.80	22.00	7.6
2	24.40	22.40	8.2
3	24.60	22.80	7.3
4	24.60	22.80	7.3
5	24.60	23.00	6.5
6	24.40	22.80	6.6
7	24.00	22.20	7.5
8	24.80	23.00	7.3
9	24.20	22.60	6.6
10	24.60	23.40	4.9

Mean Percent Weight Loss : 7.0
Standard Deviation : 0.9
3 x Standard Deviation : 2.7
Mean + 3 x Standard Deviation : 9.7

OCT 13 2017