SGS GOVMARK

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Page 1

Received: 12/27/2019	Completed: 01/03/2020	Letter: I	JR	P.O.#:		Test Report #:	3-36324-0-

Client's Identification	Style: 5080100C BLK Composition: PET Product End Use: Acoustical Baffle Thickness: 2.54 Additional Information: Black Felt

Tested For: Jason Kortman
FF Walls LLC dba Quell Acoutics
134 River Hills Dr.
Holland, MI 49424

Key Test: NFPA 701-2019 TM#1   275

Tel: 1-(616)-283-5646   **Ext:**
Fax: 1-( )- -

LE:2019   V:01/19   PC: 0.5H   DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2019 Edition - Test Method #1

PRODUCT CONFIGURATION: [x] Single Layer; [ ] Multi Layer

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

RESULTS:

Specimen #	Afterflame* (seconds)	Flamming Drip/Debris (seconds)	Weight Loss (percent)
1	0.0	0.0	1.2
2	0.0	2.6	7.8
3	0.0	0.9	15.4
4	0.0	2.5	12.7
5	0.0	0.6	7.6
6	0.0	0.0	6.1
7	0.0	1.1	18.3
8	0.0	0.0	2.4
9	4.7	3.8	15.9
10	0.0	0.0	2.4
Mean:		1.2 Mean:	9.0

STATISTICAL VALUES: SD = 6.2   3 SD = 18.6   Mean + 3 SD = 27.6

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

APPROXIMATE WEIGHT OF MATERIAL (as measured by SGS):   272 g/m²

PRECONDITIONING: [x] 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.

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Page 2

Received: 12/27/2019	Completed: 01/03/2020	Letter: I	JR	P.O.#:		Test Report #:	3-36324-0-

Client's Identification	Style: 5080100C BLK Composition: PET Product End Use: Acoustical Baffle Thickness: 2.54 Additional Information: Black Felt

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Tel: 1-(616)-283-5646   **Ext:**
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REMARKS:

[x] 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 - 2019 Edition Test Method #1

		Weight Loss (percent)	
Afterflame	Flaming Drip/Debris (Mean)	Mean	Individual Specimen
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*	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 - 2019 Edition Test Method #1, the item tested:

[x] 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.

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

_____
AUTHORIZED SIGNATURE
SGS GOVMARK
/ab
/pm

Bobby Brown

JAN 0 6 2020

(Page 2 of 2)

Client Name   :   FF Walls LLC dba Quell Acoutics

Addendum to Test Report # :   3-36324-0-i

Test   :   701- TM#1

Specimen #	Weight Before Test (g)	Weight After Test (g)	Percent Weight Loss
1	16.40	16.20	1.2
2	15.40	14.20	7.8
3	15.60	13.20	15.4
4	15.80	13.80	12.7
5	15.80	14.60	7.6
6	16.40	15.40	6.1
7	16.40	13.40	18.3
8	16.40	16.00	2.4
9	16.40	13.80	15.9
10	16.60	16.20	2.4

Mean Percent Weight Loss   :   9.0

Standard Deviation   :   6.2

3 x Standard Deviation   :   18.6

Mean + 3 x Standard Deviation :   27.6

Received: 12/27/2019	Completed: 01/03/2020	Letter: J	JR	P.O.#:		Test Report #:	3-36325-0-

Client's Identification Style: 5080100C CHC Composition: PET Product End Use: Acoustical Baffle Thickness: 2.54 Additional Information: Grey Felt

Tested For: Jason Kortman
FF Walls LLC dba Quell Acoutics
134 River Hills Dr.
Holland, MI 49424

Key Test: NFPA 701-2019 TM#1   275

Tel: 1-(616)-283-5646   Ext:
Fax: 1-( )- -

LE:2019   V:01/19   PC: 0.5H   DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2019 Edition - Test Method #1

PRODUCT CONFIGURATION: [x] Single Layer; [ ] Multi Layer

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

RESULTS:

Specimen #	Afterflame* (seconds)	Flamming Drip/Debris (seconds)	Weight Loss (percent)
1	0	0.6	16.9
2	0	0.8	16.1
3	0	0.5	23.3
4	0	1.2	20.2
5	0	0.0	22.0
6	0	0.5	20.9
7	0	0.5	16.9
8	0	0.0	19.5
9	0	0.0	22.2
10	0	0.9	20.7
Mean:		0.5	Mean: 19.9

STATISTICAL VALUES: SD = 2.5   3 SD = 7.5   Mean + 3 SD = 27.3

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

APPROXIMATE WEIGHT OF MATERIAL (as measured by SGS):   272 g/m²

PRECONDITIONING: [x] 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.

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Client's Identification	Style: 5080100C CHC Composition: PET Product End Use: Acoustical Baffle Thickness: 2.54 Additional Information: Grey Felt

Tested For: **Jason Kortman**
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Key Test: NFPA 701-2019 TM#1   275

Tel: 1-(616)-283-5646   **Ext:**
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REMARKS:

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[ ] Flames projected above the top of the specimen; Specimen #'s _____
[ ] Other: _____

FAILURE CRITERIA: As cited by NFPA 701 - 2019 Edition Test Method #1

		Weight Loss (percent)	

Afterflame	Flaming Drip/Debris (Mean)	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 - 2019 Edition Test Method #1, the item tested:

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AUTHORIZED SIGNATURE
SGS GOVMARK
/ab   /pm

JAN 0 6 2020

Bobby Brown

(Page 2 of 2)

Client Name   :   FF Walls LLC dba Quell Acoutics

Addendum to Test Report #:   3-36325-0-J

Test   :   701- TM#1

Specimen #	Weight Before Test (g)	Weight After Test (g)	Percent Weight Loss
1	17.80	14.80	16.9
2	17.40	14.60	16.1
3	17.20	13.20	23.3
4	16.80	13.40	20.2
5	16.40	12.80	22.0
6	17.20	13.60	20.9
7	16.60	13.80	16.9
8	16.40	13.20	19.5
9	16.20	12.60	22.2
10	16.40	13.00	20.7

Mean Percent Weight Loss   :   19.9

Standard Deviation   :   2.5

3 x Standard Deviation   :   7.5

Mean + 3 x Standard Deviation :   27.3