



GOVMARK

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Received: 10/02/2019	Completed: 10/22/2019	Letter: U	AN	P.O.#:	Test Report #:	3-34856-0-
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Client's Identification

Product Description: Wallscape Plus.

Tested For: Kylie Schleicher

Ultraflex Systems Inc.
1578 Sussex Tpk., Bldg. #4
Randolph, NJ 07869

Key Test: NFPA 286 (BLDG)

5610

Tel: 1-(973)-627-8608

Ext:

Fax: 1-()- -

Category: Room Corner

BLDG: V 10/18

PC: ME /jd

NFPA 286: LE: 2015; V 03/15; NE 2019

APPROXIMATE THICKNESS OF SUBMITTED MATERIAL (as measured by SGS Govmark): 0.010"

TEST PERFORMED: NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth

BRIEF DESCRIPTION OF TEST: The test is conducted in an 8 ft. high fire room. The test panels cover three of the fire room walls. A square gas burner located at the bottom of the corner offers an open flame ignition exposure of 40 kW for a period of 5 minutes, and 160 kW for a period of 10 minutes. Test observations are made. Video is recorded and included with original test report.

TIME FROM CONDITIONING ROOM TO START OF TEST: 45 minutes

CATEGORY:

RESULTS:

40 kW Exposure

Flame Height:

3 ft 6 in at (mm:ss) 04:00

160 kW Exposure

(a) Peak Rate of Heat Release:
[includes 160 kW Exposure]

191 kW

(b) Time to Reach Peak:

450 seconds

(c) Total Heat Release --

5 minutes:

8.0 MJ

10 minutes:

52.2 MJ

15 minutes:

102.8 MJ

(d) Peak Rate of Smoke Release:

2 m²/s

(e) Time to Reach Peak:

342 seconds

(f) Total Smoke Released --

428 m²

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Tel: 1-(973)-627-8608**Ext:****Fax:** 1-()- -**CATEGORY:****RESULTS:**160 kW Exposure (continued):

(g) Peak Temperature Readings --

Room midpoint: 657 °F; 347 °C

Quadrant #1: 793 °F; 423 °C

Quadrant #2: 670 °F; 354 °C

Quadrant #3: 602 °F; 317 °C

Quadrant #4: 593 °F; 312 °C

AVERAGE: 663 °F; 351 °C

(h) Peak Carbon Monoxide Reading: 4 ppm

(i) Peak Carbon Dioxide Reading: 0 ppm

(j) Peak Heat Flux at Floor Level: 3.1 kW/m²

(k) Ignition of Paper Monitors on Floor: [] Yes; [x] No

(l) Lateral Flame Spread --

8 ft. Wall: 8 ft 0 in

Near 12 ft. Wall: 2 ft 0 in

Far 12 ft. Wall: 2 ft 0 in

(m) Flames Exit Doorway: [] Yes; [x] No

(n) Flaming Droplets are not factored into the Failure Criteria;
however, they are reported as an observation:

(1) Flaming Droplets are observed: [] Yes; [x] No

(2) A fire pool forms beneath the test item: [] Yes; [x] No

(3) If a fire pool occurs, the level of
intensity is described as: [] Minor; [] Moderate; [] Intense

(o) OBSERVATIONS:

Note: Parentheses () are used to indicate a result that represents a flashover value.

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Tested For: Kylie Schleicher Ultraflex Systems Inc. 1578 Sussex Tpk., Bldg. #4 Randolph, NJ 07869				Key Test: NFPA 286 (BLDG)		5610
				Tel: 1-(973)-627-8608		Ext:
				Fax: 1-()- -		

FLASHOVER CRITERIA: Flashover is determined to have occurred when any two of the following conditions have been attained:

- (1) The heat release rate exceeds 1 MW (1,000 kW)
- (2) Heat flux at the floor exceeds 20 kW/m²
- (3) The average upper layer temperature exceeds 600°C (1112°F)
- (4) Flames exit the doorway
- (5) Autoignition of a paper target on the floor occurs

ACCEPTANCE CRITERIA - As cited by:

- (A) The 2015 Edition of NFPA 101 Life Safety Code, para. 10.2.3.7.2;
- (B) The 2015 Edition of NFPA 5000 Building Construction and Safety Code, para. 10.4.5.2;
- (C) The 2018 Edition, International Building Code, para. 803.1.1.1

- (1) During the 40 kW exposure, flames shall not spread to the ceiling.
- (2) The flame shall not spread to the outer extremity of the sample on any wall or ceiling.
- (3) Flashover shall not occur.
- (4) The Peak Heat Release Rate throughout the test shall not exceed 800 kW.
- (5) The Total Smoke Released throughout the test shall not exceed 1,000 m².

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

☒ Passes; ☐ Fails

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

/jab /gb

OCT 29 2019

Test Technician: Andrew Niemczyk

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Phyllis Pettit