

**4149 Ulster was tested and met the following flammability requirements:**

ASTM E84 Unadhered Class A

CA TB 117-2013

CAN/ULC-S102

UL Recognized Component



Received:05/07/2018	Completed:05/08/2018	Letter: U	RM	P.O.#:	Test Report #:	3-25922-0-
Client's Identification	Style: 4149 Ulster. Content: 100% Polyester. Finish: None. Weight: 300 g/lm. Color: Pink. Product End Use: Upholstery & Panel					
Tested For: Megan Rietzke Designtex 200 Varick Street, 8 fl. New York, NY 10014			Key Test: ASTM E 84 (Int Fin)		1275	
			Tel: 1-(212)-886-8137		Ext:	
			Fax: 1-( )- -			

Test Category: Tunnel Test      Specifier: BLDG(IBC): LE 2015; V 7/17; ASTM E 84: LE 2017a; V 11/17  
 PC: ME      /dl/pp SM/mg

TEST PERFORMED: ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials

REFERENCE: Comparable to: UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials

APPROXIMATE THICKNESS OF SPECIMEN (as measured by SGS Govmark): 0.037"

SPECIMEN WEIGHT (to include substrate when applicable):

Prior to Conditioning:      3.1 lbs.

Stabilized Weight (taken twice within 24 hours): 3.1 lbs.

PRODUCT CATEGORY:

- Textile Type Product
- Vinyl Type Product
- Other than Textile Type or Vinyl Type Product: \_\_\_\_\_

BRIEF DESCRIPTION OF TEST: This test method is used to determine the relative burning behavior of a material under defined test conditions. The test is performed in a 25 ft. long tunnel/duct-like apparatus and is often referred to as the "tunnel test". The test contemplates a calibration where Red Oak burns to the 24 ft. mark in 5.5 minutes ± 15 seconds. During the actual test, a 24 ft. long x 23" wide specimen rests horizontally in a ceiling configuration inside the test chamber facing downward and toward two upward oriented burners. A furnace lid that rests in a water trough seals the chamber tight. A cement board placed on the backside of each specimen assembly protects the furnace lid during the test. The near face of the specimen is subjected to a 4.5 ft. flame insult of approximately 88 kW for ten minutes. The time and distance of the spread of flame along the length of the specimen and the smoke developed as read by the photometric system are all recorded. The Flame Spread and Smoke Developed are reported as an Index.

-- See Page 3 for "Results" --



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	Fax: 1-( )- -					

SPECIMEN MOUNTING:

- Self-supporting: The test specimen was rigid enough to be self-supporting when placed into test position. No additional support was required.
- Adhered to IRC: The test specimen was bonded to 1/4" Inorganic Reinforced Cement (IRC) boards.
- Adhered to Gypsum: The test specimen was adhered to 5/8" thick Type X gypsum board.
- Unadhered: The specimen was not adhered to any substrate. Instead, it was laid over a 2" hexagonal wire mesh screen and 1/4" rods.
- Other: \_\_\_\_\_

SPECIMEN LENGTH: The 24 ft. length was comprised of:

- Continuous unbroken 24 ft. length
- Sections:  Three 8 ft. sections butted end to end
- Three 8 ft. sections positively joined
- Other: One 18 ft. section and one 6 ft. section butted end to end

ADHESIVE (applied by SGS Govmark):  No  
 Yes - (specify): \_\_\_\_\_

- OBSERVATIONS:  No unusual observations
- Burning Drips to Floor
  - Delamination
  - Sagging
  - Shrinkage
  - Fallout (specimen displacement from ceiling mount)
  - Other: Melt and drip

REMARKS:  None  
 Other: \_\_\_\_\_



Received:05/07/2018 Completed:05/08/2018 Letter: U RM P.O.#: Test Report #: 3-25922-0-

Client's Identification Style: 4149 Ulster. Content: 100% Polyester. Finish: None. Weight: 300 g/lm. Color: Pink. Product End Use: Upholstery & Panel

Tested For: Megan Rietzke Key Test: ASTM E 84 (Int Fin) 1275  
 Desigtex  
 200 Varick Street, 8 fl. Tel: 1-(212)-886-8137 Ext:  
 New York, NY 10014 Fax: 1-( )- -

RESULTS:

Flame Spread Index: 0  
 Smoke Developed: 125

ROUNDING (Per ASTM E84 Reporting Requirements):

Flame Spread Index value has been rounded to the nearest multiple of 5.  
 Smoke Developed value has been rounded to:

Raw Data	Rounded
-----	-----
Less than 200	Nearest multiple of 5
200 or more	Nearest multiple of 50

CONCLUSION: Based on the reported Results and cited Code Classification System, the item tested is assigned a:

- Class I or A rating
- Class II or B rating
- Class III or C rating
- Fails to achieve a minimum classification thereby rendering the product unsuitable in terms of code requirement
- Based on product performance\*, ASTM E84 is not a suitable test method for the material.

\* Severe melt, drip, delamination or other behaviour that destroys the continuity of the flame front such that a valid flame spread is unobtainable (See "Remarks" on Page 2 of 4.)

DATA SUMMARY:

Time to Ignition (minutes:seconds): 00:13  
 Maximum Flame Spread "Distance" (feet): 0  
 Maximum Flame Spread "Time" (seconds): 0

CODE CLASSIFICATION SYSTEM (Please see "ASTM E84 Limitations" on Page 4):

	Flame Spread Index	Smoke Developed
	-----	-----
Class I or A:	0 - 25	450 or less
Class II or B:	26 - 75	450 or less
Class III or C:	76 - 200	450 or less

-- See Page 4 for "Building Code Citation for The Classification Scheme" --

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<b>Tested For:</b> Megan Rietzke Designtex 200 Varick Street, 8 fl. New York, NY 10014	<b>Key Test:</b> ASTM E 84 (Int Fin)			1275	
	<b>Tel:</b> 1-(212)-886-8137		<b>Ext:</b>		
	<b>Fax:</b> 1-( )- -				

## BUILDING CODE CITATION FOR THE CLASSIFICATION SCHEME:

- (1) 2015 edition, NFPA 101 Life Safety Code, para. 10.2.3.4
- (2) 2015 edition, NFPA 5000 Building Construction & Safety Code, para. 10.4.2
- (3) 2015 edition, International Building Code, para. 803.1.1

LIMITATIONS OF THE ASTM E84 CLASSIFICATION SCHEME: Most building codes will accept the ASTM E84 classifications when the interior finish product is used in a sprinklered area. Certain local authorities such as NYC have more stringent requirements, i.e. Smoke Developed ranges from a maximum 25 to 100.

If the interior finish product is a textile or vinyl wall covering used in a non-sprinklered area, the NFPA 265 room corner fire test applies.


Certain products which give off excessive heat such as but not limited to cellular plastics, cellular foam (either with or without coverings as applicable), polypropylene, and high density polyethylene should be tested by NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth. In SGS Govmark's opinion, the codes require NFPA 286 for such products, even in sprinklered areas.

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



Mr. Michael Magee

AUTHORIZED SIGNATURE

 GOVMARK  
 /mg 

MAY 16 2018

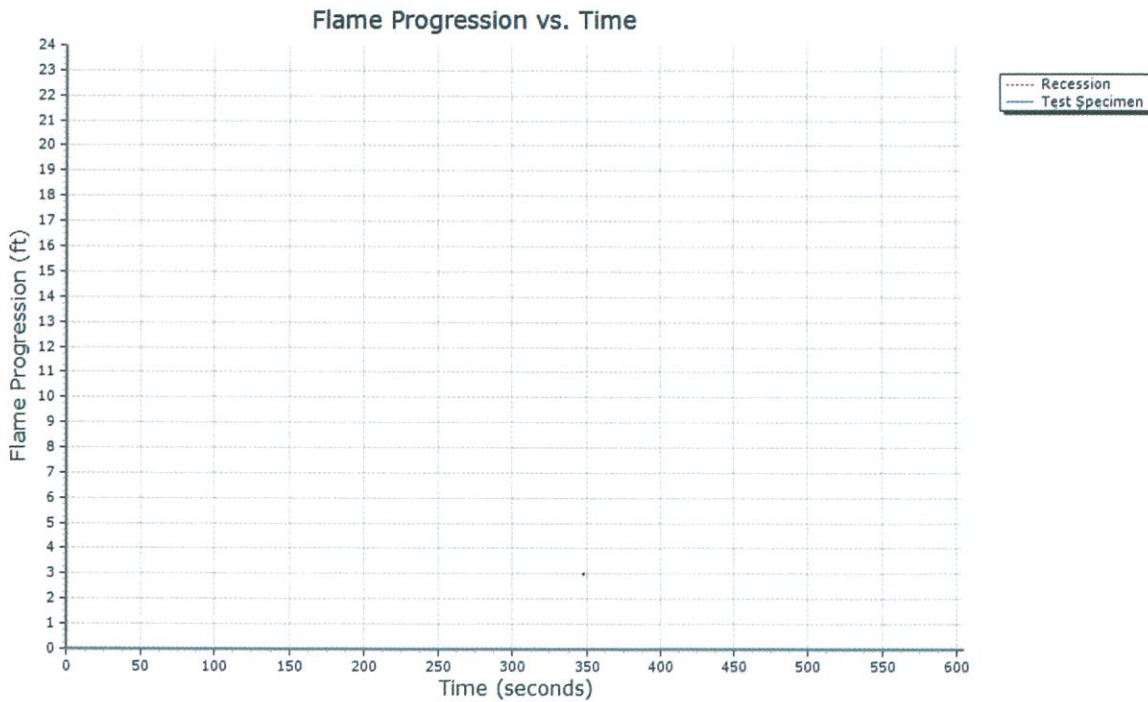
Test Engineer: Rick McDonough

Enclosure: Graphs

(Page 4 of 4)

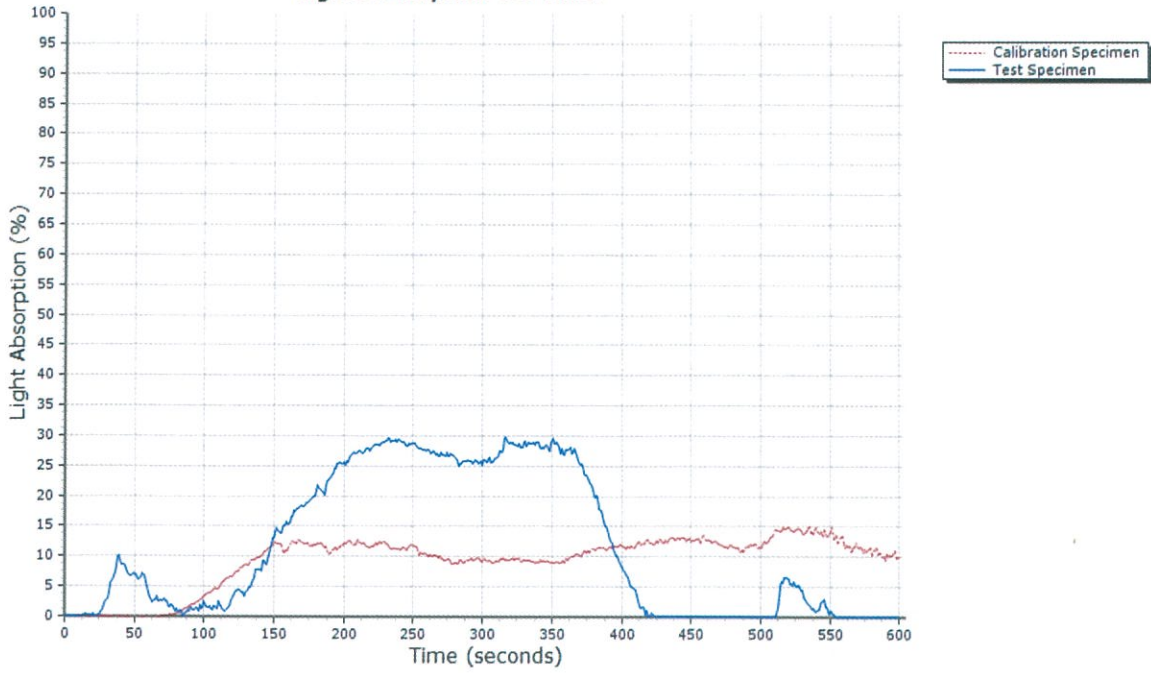
Test Method : ASTM E84  
 Test Report # : 3-25922-0-U  
 Date : 5/8/2018  
 Client : DesignTex  
 Operator : Rick McDonough  
 Details of Preparation : Unadhered. Specimen laid over 2" hexagonal wire mesh and 1/4" rods. 24 ft length comprised of one 18 ft section and one 8 ft section butted end to end.  
 Observations : Brief early ignition no flame progression. Specimen melt and drip.

Area Under Flame Curve (ft min) : 0.17  
 Raw Flame Spread Index (ft min) : 0.09  
 Rounded Flame Spread Index (ft min) : **0**  
 Ignition Time : **00:13 mm:ss**  
 Area Under Smoke Curve (%A min) : 115.15  
 Raw Smoke-Developed Index : 122.59  
 Rounded Smoke-Developed Index : **125**  
 Total Gas Flow(L) : 1401.3  
 Total Gas Flow(ft<sup>3</sup>) : 49.5  
 Maximum Flame Front Achieved(ft) : 0 (@4s)



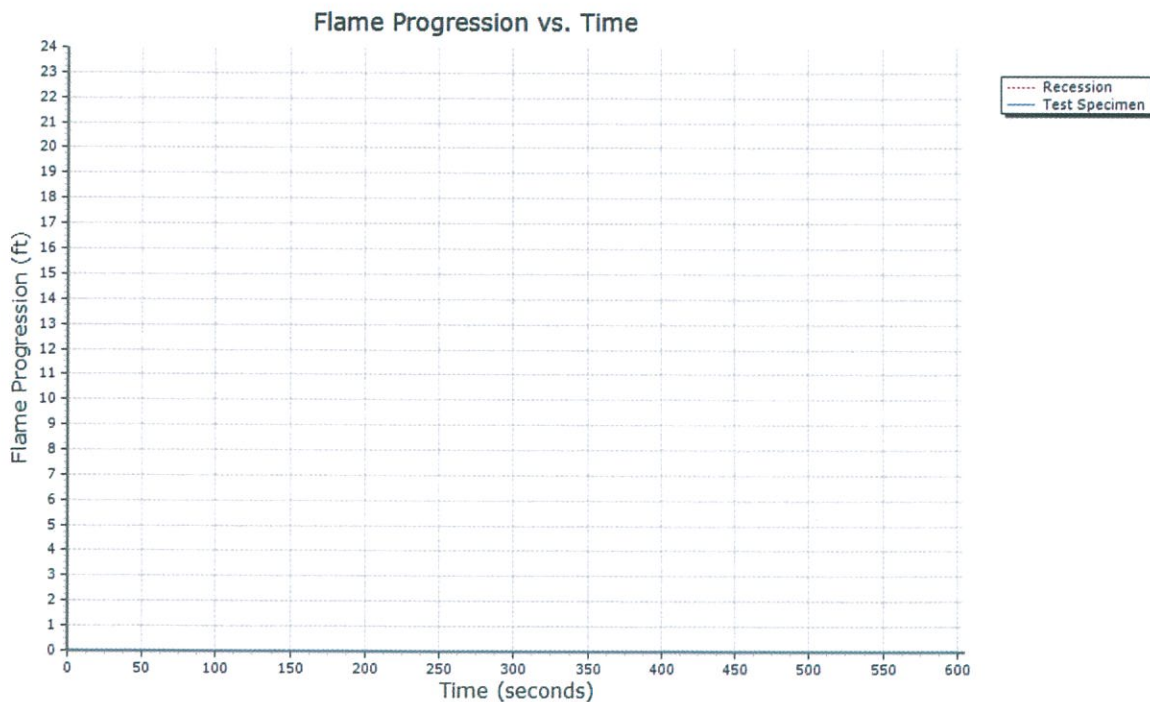
Test Method : ASTM E84  
Test Report # : 3-25922-0-U

**Light Absorption vs. Time**



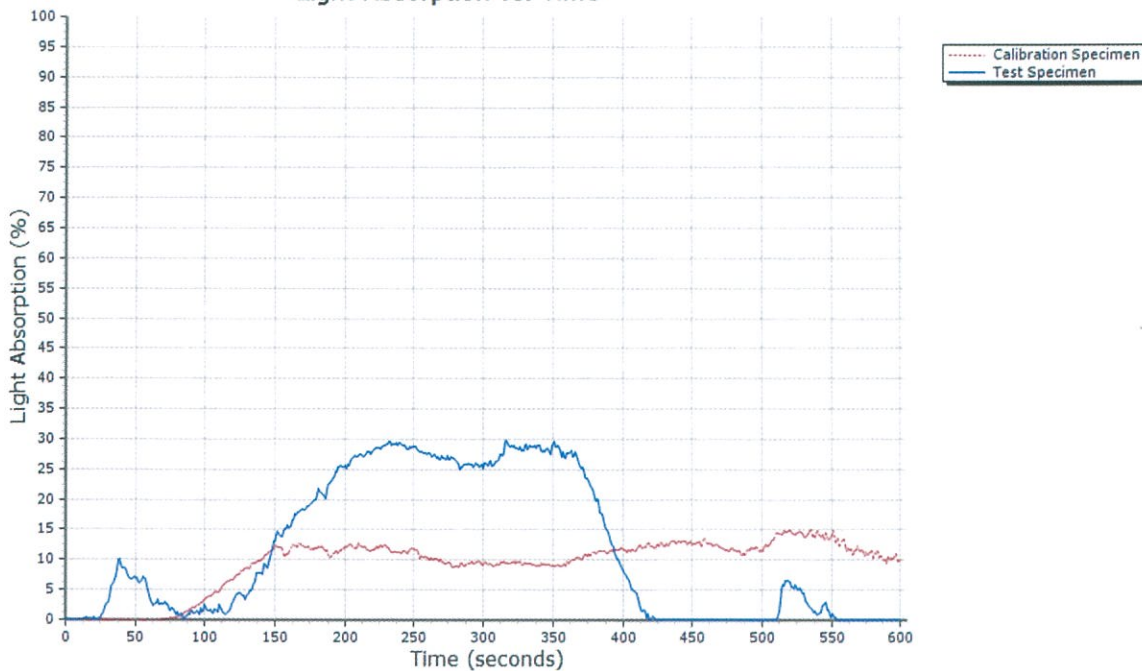
Test Method	: ASTM E84
Test Report #	: 3-25922-0-U
Date	: 5/8/2018
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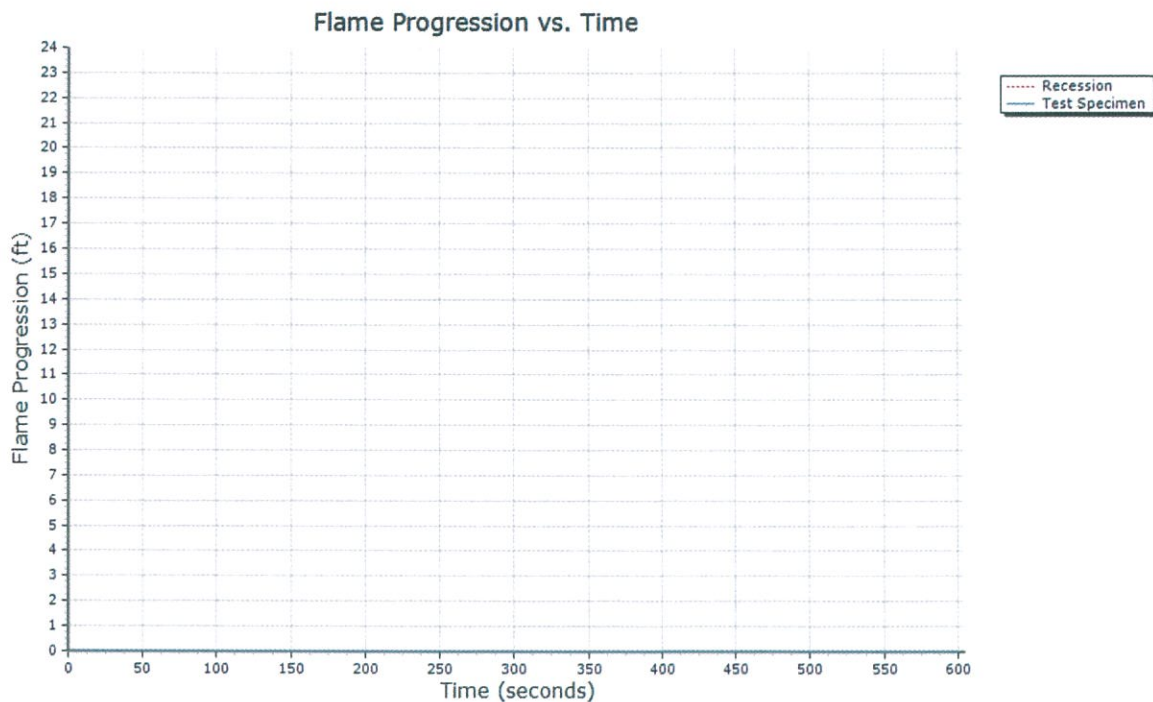
Test Method : ASTM E84  
Test Report # : 3-25922-0-U

**Light Absorption vs. Time**



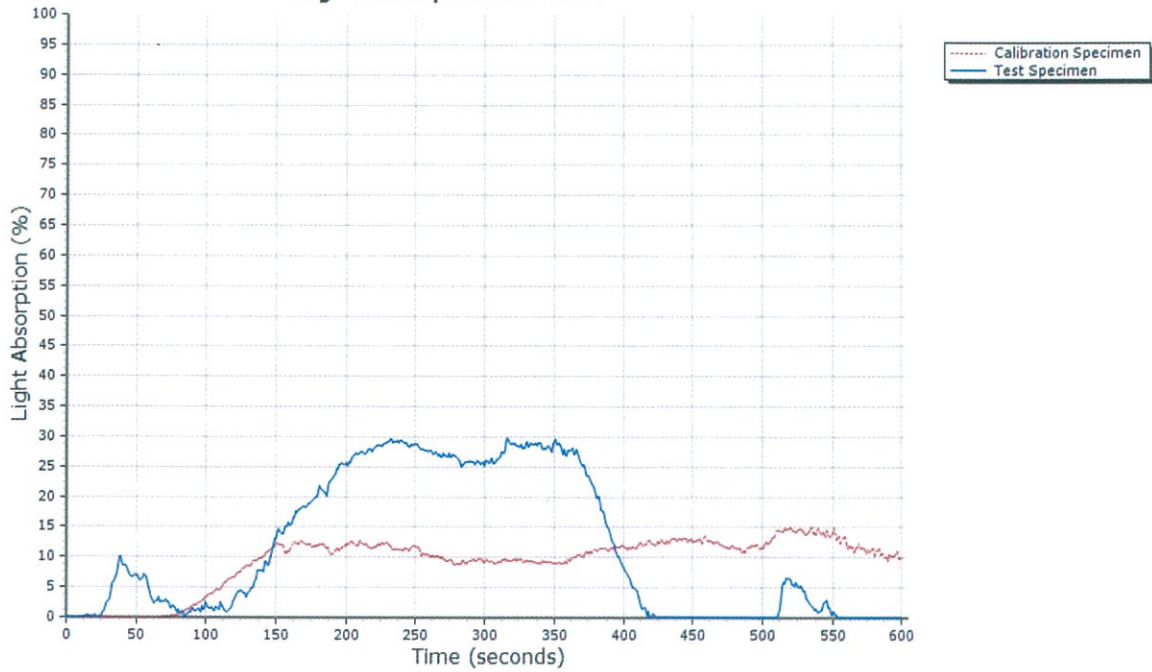
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Test Report #	: 3-25922-0-U
Date	: 5/8/2018
Client	: Designtex
Operator	: Rick McDonough
Details of Preparation	: Unadhered. Specimen laid over 2" hexagonal wire mesh and 1/4" rods. 24 ft length comprised of one 18 ft section and one 8 ft section butted end to end.
Observations	: Brief early ignition no flame progression. Specimen melt and drip.

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Total Gas Flow(L)	: 1401.3
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Maximum Flame Front Achieved(ft)	: 0 (@4s)



Test Method : ASTM E84  
Test Report # : 3-25922-0-U

**Light Absorption vs. Time**





TESTING CERT. #3193.01

Report Number: 18-005757  
Revision Number:1  
Date Order Received: 09/20/2018

For the Account of: Designtex  
357 County Ave  
Secaucus, NJ 07094

Client's Identification: Ulster

### CERTIFICATE OF TESTING

**TEST PERFORMED:** California Technical Bulletin 117: June 2013 – Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture – Cover Fabric Test

#### TEST RESULTS

	Specimen	Char Length (in)	Extinguished in 45 Minutes
Initial Test	1	0.6	Y
	2	0.7	Y
	3	0.6	Y

#### NOTES

**Test Conditions:** 70 ±5°F, 50 ±5% Relative Humidity

Dev-009: Used SRM 1196 Equivalent YES  
Lot # 18140130548

#### ACCEPTANCE CRITERIA

A material is considered to pass or fail based on the following criteria:

1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
  - a. The mock-up test specimen continues to smolder after the 45 minute test duration
  - b. A vertical char length of more than 1.8 inches (45mm) develops on the cover fabric
  - c. The mock-up test specimen transitions to open flaming
2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e. the cigarettes burn their full length and are no longer smoldering
3. If more than one initial specimen fails, the cover fabric fails the test
4. If any one of the three initial specimens fails, repeat the test on additional three specimens
5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test

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

- Pass
- Fail

**CERTIFICATION** I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

Berta Stiver

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Authorized Signature

Date Order Completed: 10/02/2018



<b>Tested For:</b> Teesha Prezeau	<b>Phone:</b> (201) 917-7738	<b>Received:</b> 6/10/2025
Designtex	<b>Fax:</b>	<b>Completed:</b> 6/16/2025
357 County Avenue	<b>Mobile:</b>	<b>Code:</b> B
Secaucus, NJ 07094	<b>PO#:</b>	<b>Test Report:</b> 3-59647-0-RV
USA	<b>Email:</b> tprezeau@designtex.com	

**Key Test:** CAN/ULC-S102.2

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**Client's Identification:**

Style: Polyester: Plain Weave, 14.5-16.5 oz. Composition 100% Polyester. Finish:. Weight 16.5 oz/lyd.

LE: 2018(R24) V 08/24 BG

PC: 23±3°C 50%±5% RH - ME

CODE: I=1375 F=2925 CLEAN=1000

TEST PERFORMED: CAN/ULC-S102.2-18 - Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials

## TEST CONDUCTED:

- Indicative  
 Formal

PRODUCT CATEGORY:  Composite Panel Material  
 Textile Type Product  
 Vinyl Type Product

**BRIEF DESCRIPTION OF TEST METHOD:** The method is designed to determine the relative burning characteristics of materials under specific test conditions. Results of less than three identical specimens are expressed in terms of Flame Spread Value (FSV) and Smoke Developed Value (SDV). Results of three or more replicate tests on identical specimens produce average values expressed as Flame Spread Rating (FSR) and Smoke Developed Classification (SDC).

**SUMMARY OF TEST PROCEDURE:** The tunnel is preheated to 85°C, as measured by the backwall-embedded thermocouple located 7090 mm downstream of the burner ports, and allowed to cool to 40°C, as measured by the backwall-embedded thermocouple located 4000 mm from the burners. At this time the tunnel lid is raised, and the test sample is placed along the floor of the tunnel so as to form a continuous surface and then the lid is lowered. Upon ignition of the gas burners, the flame spread distance is observed and recorded every second. Flame spread distance versus time is plotted, ignoring any flame front recessions. Calculations are based on comparison with flame spread characteristics of select red oak, determined in calibration trials and arbitrarily established as 100. If the area under the curve (AT) is less than or equal to 29.7 m<sup>2</sup>min, FSV=1.85·AT; if greater, FSV=1640/(59.4-AT). The Smoke Developed Value is determined by comparing the area under the obscuration curve for the test sample to that of inorganic reinforced cement board and red oak, established as 0 and 100, respectively.

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**Tested For:** Teesha Prezeau  
 Designtex  
 357 County Avenue  
 Secaucus, NJ 07094  
 USA

**Phone:** (201) 917-7738  
**Fax:**  
**Mobile:**  
**PO#:**  
**Email:** tprezeau@designtex.com

**Received:** 6/10/2025  
**Completed:** 6/16/2025  
**Code:** B  
**Test Report:** 3-59647-0-RV

**Key Test:** CAN/ULC-S102.2

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#### SAMPLE PREPARATION:

- The sample consisted of two sections of materials, each approximately 445 mm in width by 3658 mm in length. butted together to form the requisite specimen length. The specimen was free laid (no adhesive) on top of a 6 mm fiberglass reinforced cement board substrate.
- Adhered to IRC: The test specimen was bonded to ¼" Inorganic Reinforced Cement (IRC) boards.
- Adhered to Gypsum: The test specimen was bonded to 5/8" thick Type X gypsum board.
- Other: The test specimen was not adhered to any substrate. Instead, it was laid free over a 6mm fiber cement paper. The 24 ft. length was comprised of three 8 ft. sections butted end to end.

ADHESIVE (applied by SGS North America):  No  
 Yes - specify

#### REPORTED AS:

- INDICATIVE (Single Specimen Test):  
 Flame Spread Value (FSV):  
 Smoke Developed Value (SDV):
- FORMAL (Average Value of three replicate tests):  
 Flame Spread Rating (FSR): 20  
 Smoke Developed Classification: 205

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<b>Tested For:</b> Teesha Prezeau Designtex 357 County Avenue Secaucus, NJ 07094 USA	<b>Phone:</b> (201) 917-7738 <b>Fax:</b> <b>Mobile:</b> <b>PO#:</b> <b>Email:</b> tprezeau@designtex.com	<b>Received:</b> 6/10/2025 <b>Completed:</b> 6/16/2025 <b>Code:</b> B <b>Test Report:</b> 3-59647-0-RV
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**Key Test:** CAN/ULC-S102.2

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**RESULTS:**

Specimen #	Flame Spread Value	Smoke Developed Value	Burn Distance (meters)	Time (seconds)
1	18.4	197.5	1.2	154
2	19.0	202.9	1.4	201
3	16.4	218.7	1.2	252

**OBSERVATIONS:**


1. No unusual observations
2. No unusual observations
3. No unusual observations

**REMARKS:** None.

**ACCEPTANCE CRITERIA:** None cited.

**CONCLUSION:** Not applicable.

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

Signed by:  
  
 9/8/2025  
BC915566495A4BD...

AUTHORIZED SIGNATURE  
 SGS NORTH AMERICA  
 /jo/jl

RV: 9/8/25; bg



Enclosure: Graphs

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Program: Steiner Tunnel (Version 1.0.3.0)

Test Method : CAN/ULC - S102.2  
 Report # : 3-59647-0-RV-B  
 Test Date : 6/16/2025  
 Client : Designtex  
 Operator : Ashley Mattern  
 Details of Preparation : The test specimen was not adhered to any substrate. Instead, it was free laid over a 6mm fiber cement paper. The 24 ft. length was comprised of three 8 ft. sections butted end to end.  
 Observations : No unusual observations.

	Specimen 1	Specimen 2	Specimen 3
Area Under Flame Curve (m min)	9.9	10.2	8.9
Flame Spread Value	18.4	19.0	16.4
Ignition Time (mm:ss)	00:55	02:14	01:34
Area Under Smoke Curve (%A min)	62.4	64.1	69.1
Smoke Developed Value	197.5	202.9	218.7
Total Gas Flow (L)	1593.4	1595.9	1593.5
Maximum Flame Front Achieved (m)	1.2 @ 154s	1.4 @ 201s	1.2 @ 252s

**Flame Spread Rating : 20**  
**Smoke Developed Classification : 205**

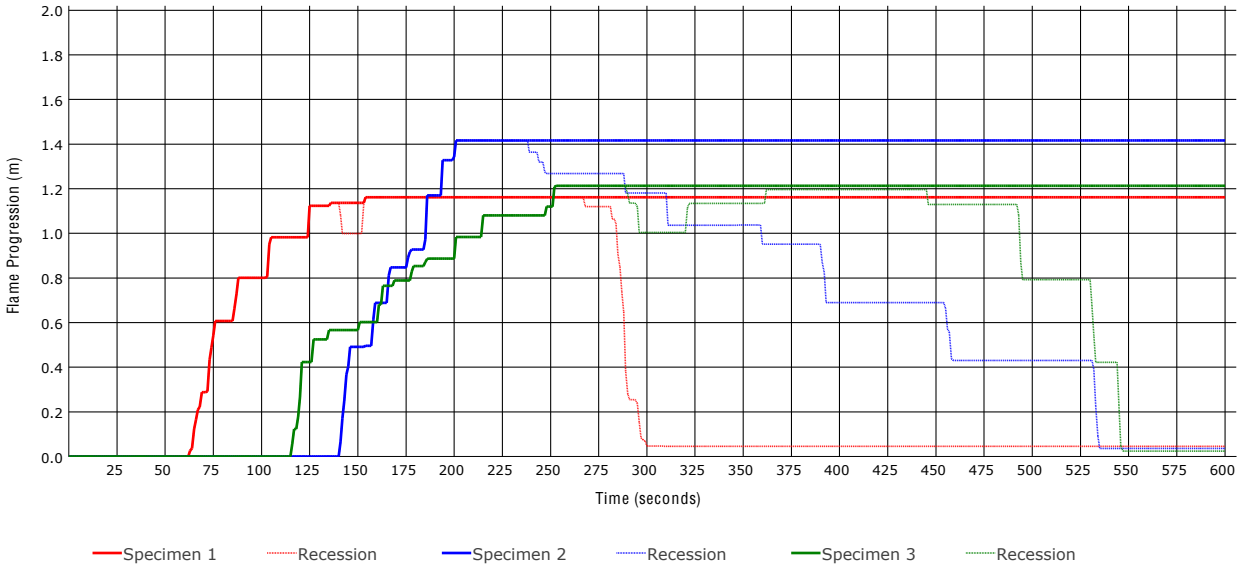
CERTIFICATION : I certify that the above results were obtained after testing the specimens in accordance with the procedures and equipment specified by CAN/ULC - S102.2

*Ashley Mattern*  
 \_\_\_\_\_  
 AUTHORIZED SIGNATURE

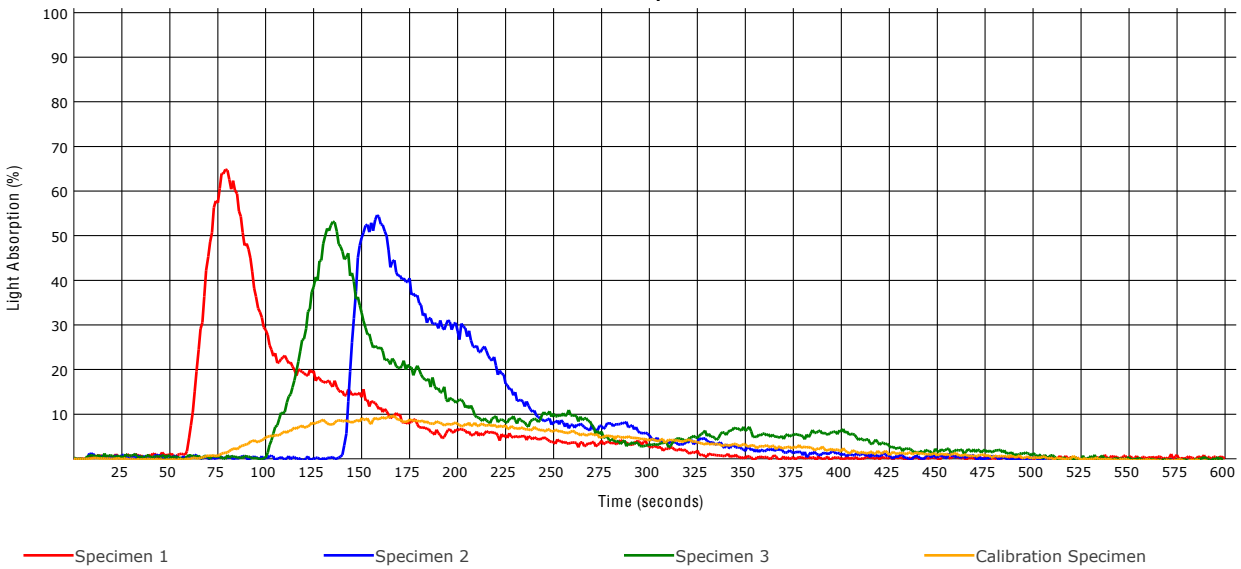


Test Method : CAN/ULC - S102.2  
Test Report # : 3-59647-0-B

### Flame Progression



### Smoke Density





Test Method : CAN/ULC - S102.2  
Test Report # : 3-59647-0-B

