

4144 Cloud Velvet was tested and met the following flammability requirements:

ASTM E 84 Unadhered Class A
CA TB 117-2013
UL Listed

Received:01/24/2020	Completed:01/31/2020	Letter: H	JR	P.O.#:	Test Report #:	3-36836-0-
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Client's Identification | Style: Cloud Velvet 4144. Content: 100% Polyester. Finish: Water Repellent. Weight: 13.5 oz. Color: 101. Product End Use: Panel.

Tested For: Teesha Prezeau Designtex 357 County Avenue Secaucus, NJ 07094	Key Test: ASTM E 84 (NYC BLDG) Tel: 1-(201)-917-7738 Fax: 1-(201)-917-7764	765 Ext:
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Test Category: Tunnel Test LE 18a; V 9/18 Specifier: NYC PC: ME /jd SM/mg BB/mg

TEST PERFORMED: ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials

APPROXIMATE THICKNESS OF SPECIMEN (as measured by SGS): 0.029"

PRODUCT CATEGORY: Textile Type Product
 Vinyl Type Product
 Other than Textile Type or Vinyl Type Product: _____

DEFINITION -- as cited by 2008 Building Code of the City of New York, paragraph 27-348 (C26-504.10)
 Interior Finish:

- (a) Interior finish shall mean those materials that form the exposed interior surfaces of a building and that are part of or affixed to walls, fixed or folding partitions, ceilings, and other construction elements.
- (b) Where an interior finish material is comprised of two or more materials laminated, glued, nailed, or otherwise secured together, the test rating for flame spread shall be based upon the composite of the materials in the form in which it will be used in construction.

SPECIMEN MOUNTING:

- Self Supporting: The test specimen, the face of which was 23" ± 1" x 24', was such that it remained in position in the tunnel during the fire test, and no additional support was required.
- Adhered to IRC: The test specimen was bonded to three 1/4" IRC (Inorganic Reinforced Cement) boards (a cement asbestos substitute) to form a test specimen the face of which was 23" ± 1" x 24'.
- Adhered to Gypsum: The test specimen was adhered to 5/8" thick Type X gypsum board, to form a test specimen the face of which was 23" ± 1" x 24'.
- Unadhered: The 23" ± 1" x 24' specimen was not adhered to any substrate. Instead, it was laid over a 2" hexagonal wire mesh screen and 1/4" rods.
- Other: _____

-- See Page 2 for "Results" --

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Tested For: Teesha Prezeau					Key Test: ASTM E 84 (NYC BLDG)	765
Designtex 357 County Avenue Secaucus, NJ 07094				Tel: 1-(201)-917-7738		Ext:
				Fax: 1-(201)-917-7764		

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.

RESULTS: Flame Spread Rating (Index): 0
 Smoke Developed Rating (Index): 20

DATA SUMMARY: Time to Ignition: 00:23 seconds
 Maximum Flame Spread "Distance": 0.0 feet
 Maximum Flame Spread "Time": 0.0 minutes

REMARKS: None.

CONCLUSION: Based on the reported Results and Criteria cited by the New York City Building Code, the item tested is assigned the following indices:

Flame Spread Index

-
- Class A: 0 - 25
- Class B: 26 - 75
- Class C: 76 - 200

Smoke Developed Index

-
- Exits, Corridors: 25 or less
- Occupancy Group I: 50 or less
- Rooms in which the next floor area per occupant is 10 square feet or less: 100 or less
- All others: 450 or less

This report issues a Flame Spread Index and a Smoke Developed Index based on the values recorded during the test. It is the user's responsibility to understand the New York City occupancy usage of the product which specifies a particular Flame Spread Index and a particular Smoke Developed Index.

Rather than understanding the intricacies of the NYC occupancy requirements, it should be noted that a product with a "Class A" Flame Spread Index of 0 - 25 and a Smoke Developed Index of 25 maximum can be used in all occupancies as permitted by the code.

-- See Page 3 for "Certification" --

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Client's Identification	Style: Cloud Velvet 4144. Content: 100% Polyester. Finish: Water Repellent. Weight: 13.5 oz. Color: 101. Product End Use: Panel.					
Tested For: Teesha Prezeau	Designtex 357 County Avenue Secaucus, NJ 07094			Key Test: ASTM E 84 (NYC BLDG)	765	
				Tel: 1-(201)-917-7738	Ext:	
				Fax: 1-(201)-917-7764		

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



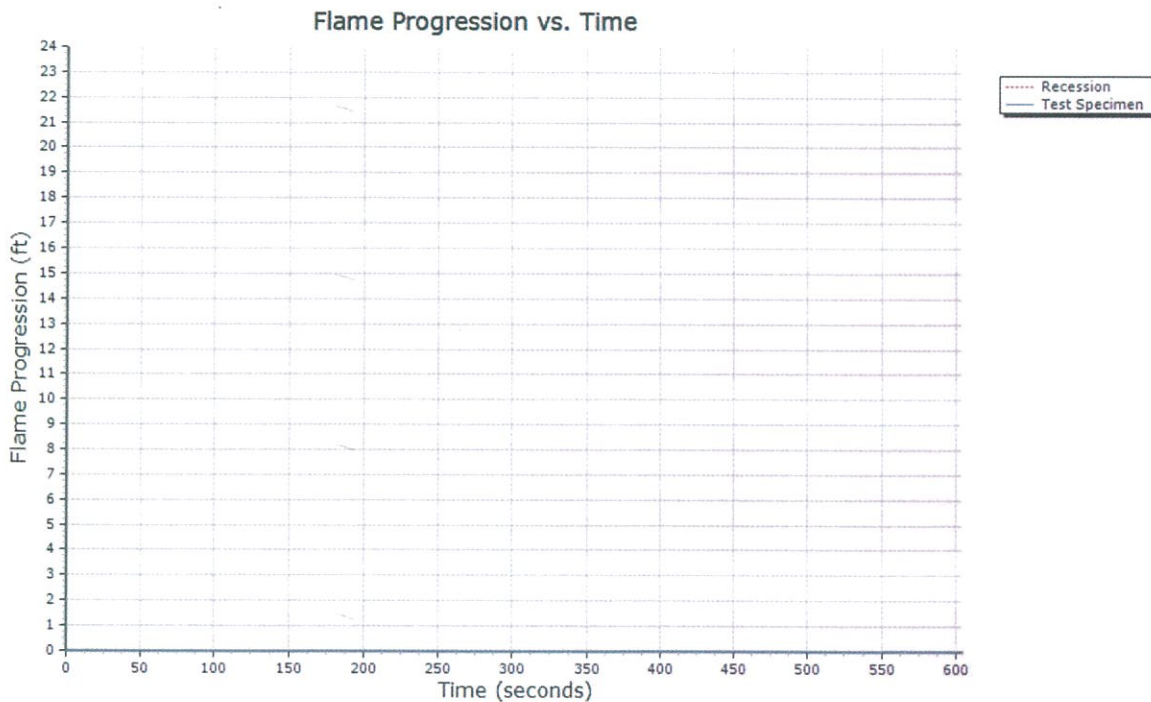
 AUTHORIZED SIGNATURE
 SGS
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Phyllis Pettit
 FEB 04 2020

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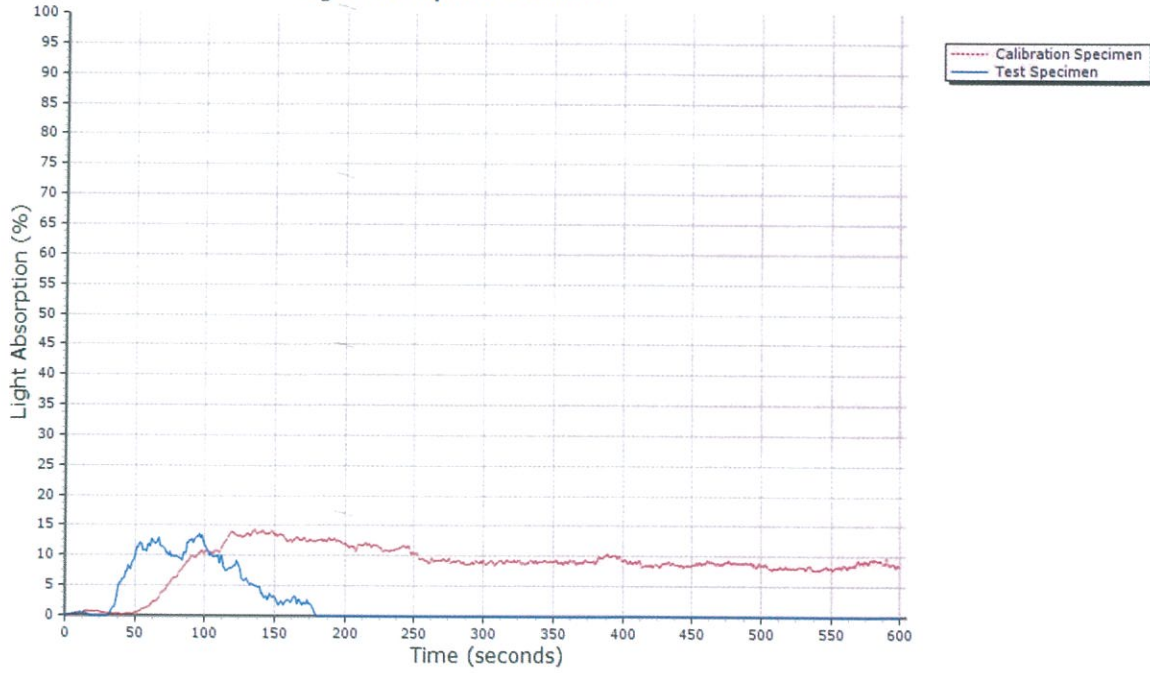
Test Method : ASTM E84
 Test Report # : 3-36836-0-H
 Date : 1/31/2020
 Client : Designtex
 Operator : Jimmy Rosinsky
 Details of Preparation : The specimen was not adhered to any substrate. Instead, it was laid over a 2" hexagonal wire mesh screen and 1/4" rods. The 24 ft. length was comprised of three 8 ft. sections butted end to end.
 Observations : Moderate flaming drip

Area Under Flame Curve (ft min) : 0.00
 Raw Flame Spread Index (ft min) : 0.00
 Rounded Flame Spread Index (ft min) : **0**
 Ignition Time : **00:23 mm:ss**
 Area Under Smoke Curve (%A min) : 18.20
 Raw Smoke-Developed Index : 20.85
 Rounded Smoke-Developed Index : **20**
 Total Gas Flow(L) : 1461.6
 Total Gas Flow(ft³) : 51.6
 Maximum Flame Front Achieved(ft) : 0 (@0s)



Test Method : ASTM E84
Test Report # : 3-36836-0-H

Light Absorption vs. Time



Received: 01/24/2020	Completed: 01/31/2020	Letter: H1	AM	P.O.#:	Test Report #: 3-36836-1-
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Tested For: Teesha Prezeau Designtex 357 County Avenue Secaucus, NJ 07094	Key Test: ASTM E662 12S 925 Tel: 1-(201)-917-7738 Fax: 1-(201)-917-7764	Ext:
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Category: Smoke Density Specifier: ASTM LE 2019; V 01/20 PC: 24H+ME
 CODE: 725(6S); 825(9S); 925(12S)

TEST PERFORMED: ASTM E662 - Standard Test Method For Specific Optical Density of Smoke Generated by Solid Materials (NFPA Designation No. 258)

APPROXIMATE THICKNESS OF MATERIAL (as measured by SGS): 0.027"

BRIEF DESCRIPTION OF TEST: Two separate tests are conducted on three specimens. In one test, the face of each specimen is exposed to a radiant heat source of 2.5 W/cm² (non-flaming mode). In a second test, completely new specimens are subjected to both the radiant heat source and six small igniting flames (flaming mode). As smoke accumulates in the test chamber, the percent light obscuration is converted to a smoke density value. Typically, the highest value within a maximum test period of 20 minutes is recorded, along with interim value at 90 seconds and 4 minutes.

At the conclusion of the test, a minus adjustment is made (clear beam reading) for any particles deposited on the optical windows.

REMARKS: None.

-- See Page 2 for "Results" --



TESTING CERT. #3193.01

Report Number: 18-001237

Revision Number: 1

Date Order Received: 02/27/2018

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

Client's Identification: Cloud Velvet
Water Repellent

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

Table with 4 columns: Specimen, Char Length (in), Extinguished in 45 Minutes. Row 1: Initial Test, 1, 0.7, Y. Row 2: 2, 0.7, Y. Row 3: 3, 0.7, Y.

NOTES

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

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:

- [X] 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

Authorized Signature

Date Order Completed: 03/07/2018