# Flammability Certificate
# 4207 Clew

DESIGNTEX

**4207 Clew was tested and met the following flammability requirements:**

ASTM E84 Unadhered Class A
CAN/ULC-S102
UL Recognized Component


800.221.1540
designtex.com
Updated 12.02.25

Intertek ETL SEMKO

# FAX TRANSMITTAL SHEET

TELECOPY TO: Suzanne Reinhardt, Designtex
DATE: November 11, 2005
**PROJECT NO.: 49802-3086169-501**
FAX NUMBER: 212-886-8119

Results of ASTM E84 test(s)

If this transmission was incomplete, please notify by telephone at (210) 635-8100.
Pages Transmitted, Including This Sheet: 3



**Intertek Testing Services NA, Inc.**
16015 Shady Falls Road, Elmendorf, TX 78112
Telephone: 1-800-966-5253 Fax: 1-210-635-8101 Web: www.intertek-etlsemko.com

# ASTM E84 DATASHEETS

Client: DESIGNTEX GROUP
Date: 11/11/05
Time: 03:45 PM
Test Number: 5
Project Number: 3086169-501
Operator: TA/JM
Specimen ID: "CLEW 100% RECYCLED POLYESTER". THE SPECIMEN WAS SUPPORTED WITH RODS AND WIRES. THE SAMPLE WAS NOT UNDER INTERTEK Q.A.

## TEST RESULTS

**FLAMESPREAD INDEX: 5**

**SMOKE DEVELOPED INDEX: 135**

## SPECIMEN DATA

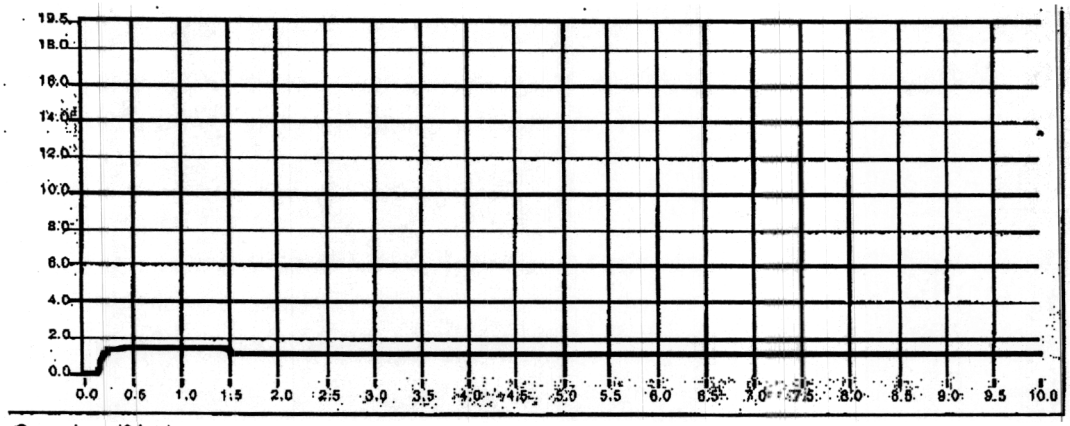
| | |
|---|---|
| Time to Ignition (sec): | 4 |
| Time to Max FS (sec): | 63 |
| Maximum FS (feet): | 1.5 |
| Time to 980 °F (sec): | Never Reached |
| Max Temperature (°F): | 476 |
| Time to Max Temperature (sec): | 591 |
| Total Fuel Burned (cubic feet): | 50.48 |
| FS*Time Area (ft*min): | 14.5 |
| Smoke Area (%A*min): | 114.2 |
| Fuel Area (°F*min): | 4081.6 |
| Fuel Contributed Value: | 0 |
| Unrounded FSI: | 7.5 |

## CALIBRATION DATA . . .

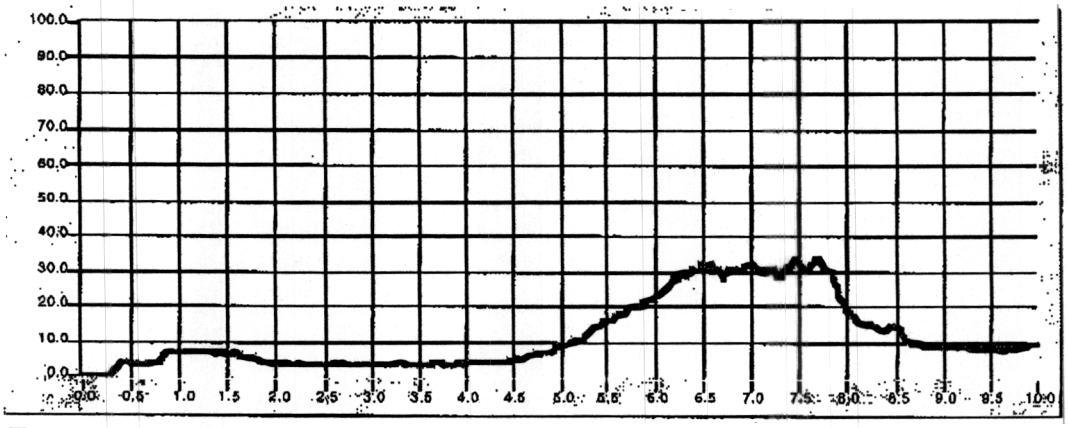
| | |
|---|---|
| Time to Ignition of Last Red Oak (sec): | 39 |
| Red Oak Smoke Area (%A*min): | 85.00 |
| Red Oak Fuel Area (°F*min): | 9036 |
| Glass Fiber Board Fuel Area (°F*min): | 5401 |

Project No: 3086169-501

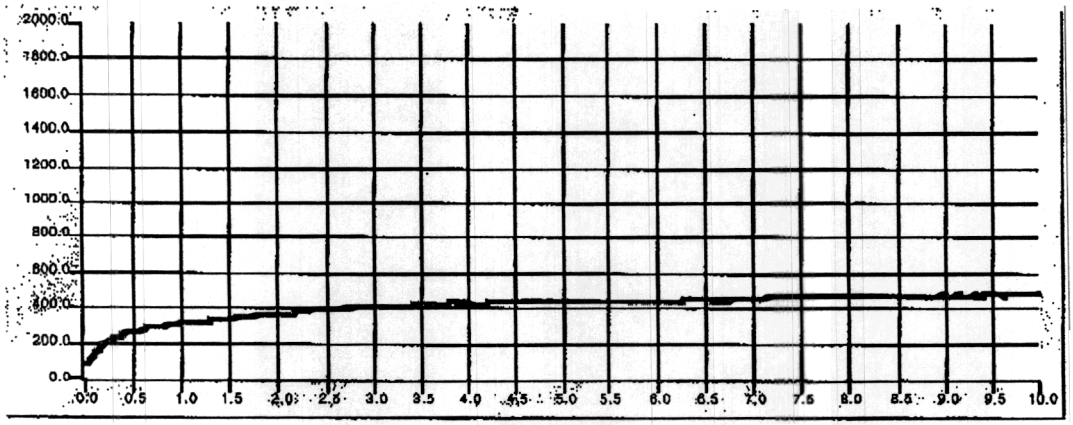
FLAME SPREAD (ft)




Smoke (%A)




Temperature (°F)




Time (min)

SGS

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

**Key Test:** CAN/ULC-S102.2 90

**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±3ºC 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 $m^2$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.





**96 Allen Boulevard Suite D, Farmingdale, NY 11735 USA • Phone: (631) 293-8944 • Email: govmark.test.reports@sgs.com**

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

**Key Test:** CAN/ULC-S102.2 90

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

SGS

| | | | | | |
|---|---|---|---|---|---|
| **Tested For:** | **Teesha Prezeau** | **Phone:** | (201) 917-7738 | **Received:** | 6/10/2025 |
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**Key Test:** CAN/ULC-S102.2 90

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:
Branden Gallagher
BC915566495A4BD...

9/8/2025

AUTHORIZED SIGNATURE
SGS NORTH AMERICA

RV: 9/8/25; bg

/jo/jl

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**

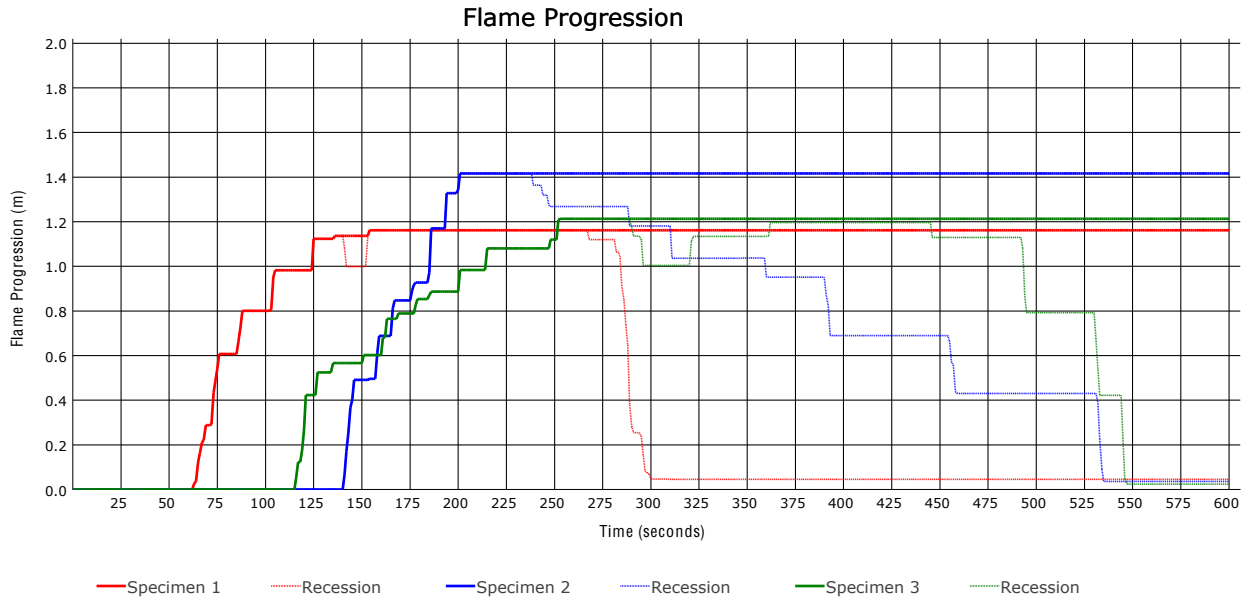
CERTIFICATION : I certify that the above results were obtained after testing the specimens in accordance with the procedures and equipment specified by CAN/ULC - S102.2

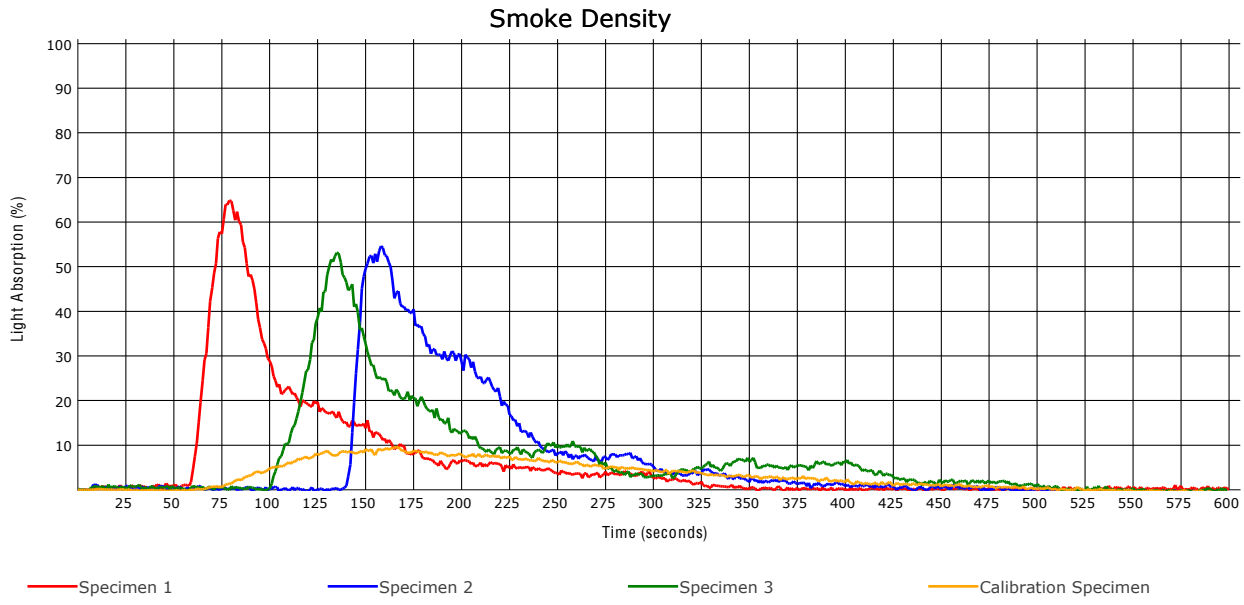
Ashley Mattern

AUTHORIZED SIGNATURE

Program: Steiner Tunnel (Version 1.0.3.0)

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



Program: Steiner Tunnel (Version 1.0.3.0)

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