# Flammability Certificate
# 6748 Orbit

DESIGNTEX

**6748 Orbit was tested and met the following flammability requirements:**

ASTM E84 Adhered Class A
CAN/ULC-S102

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800.221.1540
designtex.com
Updated 12.04.25

Docusign Envelope ID: 0FE21A71-8ABB-44D5-A29F-DBE14360851A

SGS

| | | | | | |
|---|---|---|---|---|---|
| **Tested For:** | **Teesha Prezeau** | **Phone:** | (201) 917-7738 | **Received:** | 9/16/2025 |
| | Designtex | **Fax:** | | **Completed:** | 9/30/2025 |
| | 357 County Avenue | **Mobile:** | | **Code:** | J |
| | Secaucus, NJ 07094 | **PO#:** | | **Test Report:** | 3-60501-0 |
| | USA | **Email:** | tprezeau@designtex.com | | |

**Key Test:** ASTM E84/ACT 715

**Client's Identification:**

Style: DNA. Composition: 50% Cellulose, 40% Latex, 10% Polyeste. Weight: 16 oz/Lin yd. Product End Use: Wallcovering.

Test Category: Tunnel Test, Indoor Use Specifier: ACT LE 2024; V 08/24 BG PC: ME

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

As cited by the Association of Contract Textiles (ACT) Voluntary Performance Guidelines – Indoor (February 2025)

APPROXIMATE THICKNESS OF SPECIMEN (as measured by SGS North America): 0.013"

SPECIMEN WEIGHT (to include substrate when applicable):

Prior to Conditioning: 87.2 lbs.

Stabilized Weight (taken twice within 24 hours): 85.1 lbs.

PRODUCT CATEGORY:

☐ Textile Type Product
☐ Vinyl Type Product
☒ Other than Textile Type or Vinyl Type Product: see client' Identification section above

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.



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Docusign Envelope ID: 0FE21A71-8ABB-44D5-A29F-DBE14360851A

**Tested For:** **Teesha Prezeau**
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357 County Avenue
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**Phone:** (201) 917-7738
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**Received:** 9/16/2025
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**Code:** J
**Test Report:** 3-60501-0

**Key Test:** ASTM E84/ACT



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 ¼" 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 ¼" rods.

☐ Other: _____

DISCUSSION: 3.2.1.1: Self-supporting specimens, after being mounted on the ledges of the test furnace, are structurally capable of supporting their own weight prior to the test and during the test without the use of additional supports. Examples of self-supporting specimen behavior include the ability to do the following without the use of additional supporting elements:

(1) Prior to and during the test, the specimen stays in its position to such an extent that it does not interfere with the effect of the burner flame.
(2) During the test, the specimen does not interrupt the progression of the flame front along the specimen. A specimen may still be considered self-supporting if it sags during the test or if debris falls from the specimen as long as this behavior does not interfere with the progress of the flame front.

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
☐ Four 5 ft. and one 4 ft. sections butted end to end
☐ Other: _____

ADHESIVE (applied by SGS North America): ☐ No
☒ Yes (specify): Roman Pro 880



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| | Secaucus, NJ 07094 | **PO#:** | | **Test Report:** | 3-60501-0 |
| | USA | **Email:** | tprezeau@designtex.com | | |

**Key Test:** ASTM E84/ACT 715

OBSERVATIONS: ☒ No unusual observations
☐ Burning Drips to Floor further qualified as: ☐ Minor; ☐ Moderate; ☐ Major
☐ Delamination
☐ Sagging
☐ Shrinkage
☐ Fallout (specimen displacement from ceiling mount)
☒ Other: Material ignited and quickly extinguished resulting in no flame progression.

REMARKS: ☒ None
☐ Other: _____

RESULTS: Flame Spread Index: 0
Smoke Developed: 0

ROUNDING: 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 |

ACCEPTANCE CRITERIA (as cited by ACT):

| | Flame Spread Index | Smoke Developed |
|---|---|---|
| **Class A** | 0 - 25 | 450 or less |

NOTE: Class A is also known as Class 1 and may be so specified in some Codes.



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

☒ Complies ☐ Does not comply

DATA SUMMARY:

Time to Ignition (minutes:seconds): 02:55
Maximum Flame Spread "Distance" (feet): 0.0
Maximum Flame Spread "Time" (seconds): 0

CODE CLASSIFICATION: 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 behavior that destroys the continuity of the flame front such that a valid flame spread is unobtainable (See "Remarks" on Page 2 of 4.)

CODE CLASSIFICATION SYSTEM:

| | 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 |



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| | Secaucus, NJ 07094 | **PO#:** | | **Test Report:** | 3-60501-0 |
| | USA | **Email:** | tprezeau@designtex.com | | |

**Key Test:** ASTM E84/ACT 715

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 North America'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.

DocuSigned by:
Bobby Brown
F7FE1AA2EFE84EE...

10/1/2025

AUTHORIZED SIGNATURE
SGS NORTH AMERICA
/jo/jb

Test Engineer: Jillian Guillem

DS
BB

Enclosure: Graphs



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Program: Steiner Tunnel (Version 1.0.3.0)

| | | |
|---|---|---|
| Test Method | : | ASTM E84 |
| Report # | : | 3-60501-0-J |
| Test Date | : | 9/30/2025 |
| Client | : | Designtex |
| Operator | : | Jillian Guillem |
| Details of Preparation | : | The test specimen was bonded to 1/4" Inorganic Reinforced (IRC) boards using Roman Pro 880 adhesive. The 24 ft. specimen was comprised of three 8 ft. sections butted end to end. |
| Observations | : | Material ignited and quickly extinguished resulting in no flame progression. |

**Results**

| | | |
|---|---|---|
| Area Under Flame Curve (ft min) | : | 0.00 |
| Raw Flame Spread Index | : | 0.00 |
| Ignition Time (mm:ss) | : | 02:55 |
| Area Under Smoke Curve (%A min) | : | 0.94 |
| Raw Smoke Developed Index | : | 1.35 |
| Total Gas Flow ($ft^3$) | : | 56.4 |
| Maximum Flame Front Achieved (ft) | : | 0.0 @ 0s |
| **Flame Spread Index** | : | **0** |
| **Smoke Developed Index** | : | **0** |
| **Material Classification** | : | **A** |

CERTIFICATION : I certify that the above results were obtained after testing the specimens in accordance with the procedures and equipment specified by ASTM E84

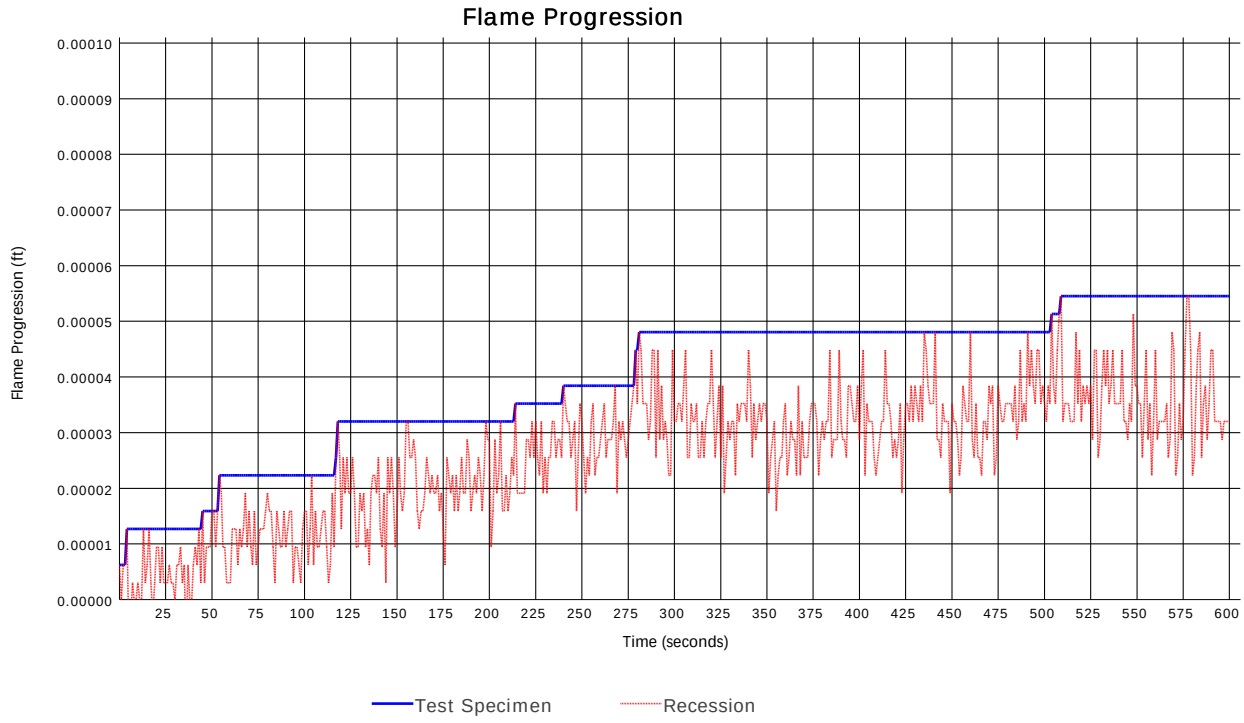
Jillian Guillem

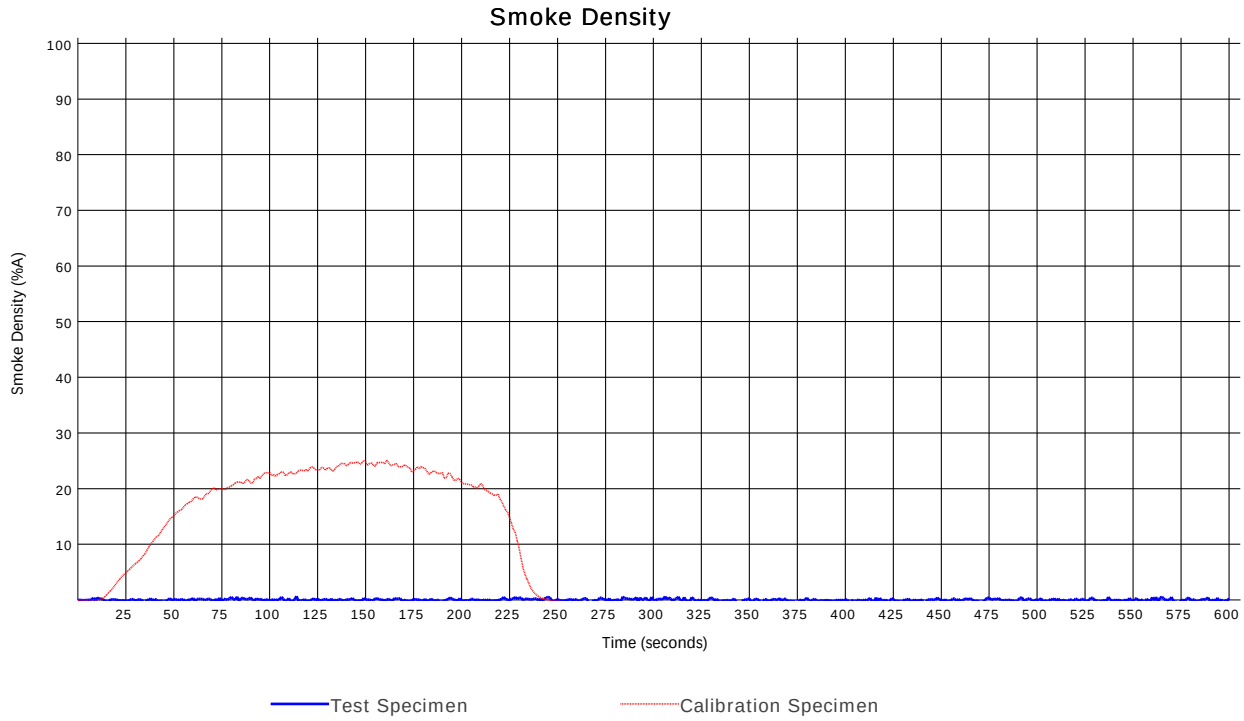
AUTHORIZED SIGNATURE

Docusign Envelope ID: 0FE21A71-8ABB-44D5-A29F-DBE14360851A

Program: Steiner Tunnel (Version 1.0.3.0)

Test Method : ASTM E84
Test Report # : 3-60501-0-J



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| **Tested For:** | **Teesha Prezeau** | **Phone:** | **(201) 917-7738** | **Received:** | **6/10/2025** |
| | **Designtex** | **Fax:** | | **Completed:** | **6/12/2025** |
| | **357 County Avenue** | **Mobile:** | | **Code:** | **C** |
| | **Secaucus, NJ 07094** | **PO#:** | | **Test Report:** | **3-59648-0-RV** |
| | **USA** | **Email:** | **tprezeau@designtex.com** | | |

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

**Client's Identification:**

Style: DNA. Composition 50% Cellulose, 40% Latex, 10% Polyester. Weight 16 oz/lyd. Product End Use: Wallcovering.

LE: 2018 V 02/23 BG PC: ME CODE: I=1520 F=3230 CLEAN=1105 /dv

TEST PERFORMED: CAN/ULC-S102-18 - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies

TEST CONDUCTED:

☐ Indicative
☒ Formal

PRODUCT CATEGORY: ☐ Composite Panel Material
☐ Textile Type Product
☐ Vinyl Type Product
☒ See Client's identification above

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 ledges of the tunnel so as to form a continuous ceiling above the floor 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.



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| | **Designtex** | **Fax:** | | **Completed:** | **6/12/2025** |
| | **357 County Avenue** | **Mobile:** | | **Code:** | **C** |
| | **Secaucus, NJ 07094** | **PO#:** | | **Test Report:** | **3-59648-0-RV** |
| | **USA** | **Email:** | **tprezeau@designtex.com** | | |

**Key Test:** **CAN/ULC-S102** 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: _____

ADHESIVE (applied by SGS North America): ☐ No
☒ Yes – specify: Roman Pro-880

REPORTED AS:

☐ INDICATIVE (Single Specimen Test):

Flame Spread Value (FSV):
Smoke Developed Value (SDV):

☒ FORMAL (Average Value of three replicate tests rounded to the nearest multiple of five points):

Flame Spread Rating (FSR): 10
Smoke Developed Classification (SDC): 15

RESULTS:

| Specimen # | Flame Spread Value | Smoke Developed Value | Burn Distance (meters) | Time (seconds) |
|---|---|---|---|---|
| 1 | 6.0 | 11.2 | 0.3 | 34 |
| 2 | 10.6 | 15.7 | 0.6 | 45 |
| 3 | 12.9 | 11.8 | 0.7 | 42 |



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| | **USA** | **Email:** | **tprezeau@designtex.com** | | |

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

OBSERVATIONS:

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

REMARKS: None.

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 9/8/2025
BC915566495A4BD...
AUTHORIZED SIGNATURE
SGS NORTH AMERICA

RV: 9/8/25; bg

/jo/jl

Enclosure: 3 Graph Chart (Formal)



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Program: Steiner Tunnel (Version 1.0.3.0)

| | | |
|---|---|---|
| Test Method | : | CAN/ULC - S102 |
| Report # | : | 3-59648-0-RV-C |
| Test Date | : | 6/12/2025 |
| Client | : | Designtex |
| Operator | : | Jimmy Rosinsky |
| Details of Preparation | : | The test specimen was bonded to 1/4" Inorganic Reinforced Cement (IRC) boards using Roman Pro-880 glue. 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)** | 3.2 | 5.7 | 6.9 |
| **Flame Spread Value** | 6.0 | 10.6 | 12.9 |
| **Ignition Time (mm:ss)** | 00:21 | 00:18 | 00:21 |
| **Area Under Smoke Curve (%A min)** | 3.5 | 5.0 | 3.7 |
| **Smoke Developed Value** | 11.2 | 15.7 | 11.8 |
| **Total Gas Flow (L)** | 1595.9 | 1595.9 | 1595.9 |
| **Maximum Flame Front Achieved (m)** | 0.3 @ 34s | 0.6 @ 45s | 0.7 @ 42s |

**Flame Spread Rating : 10**

**Smoke Developed Classification : 15**

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

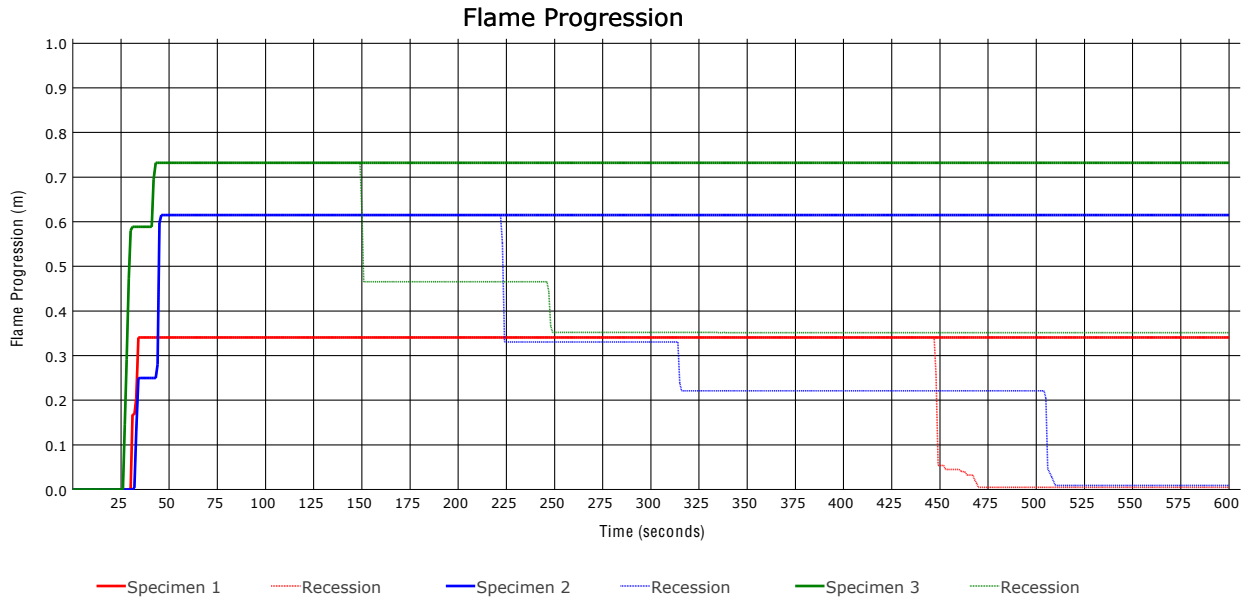
Jimmy Rosinsky

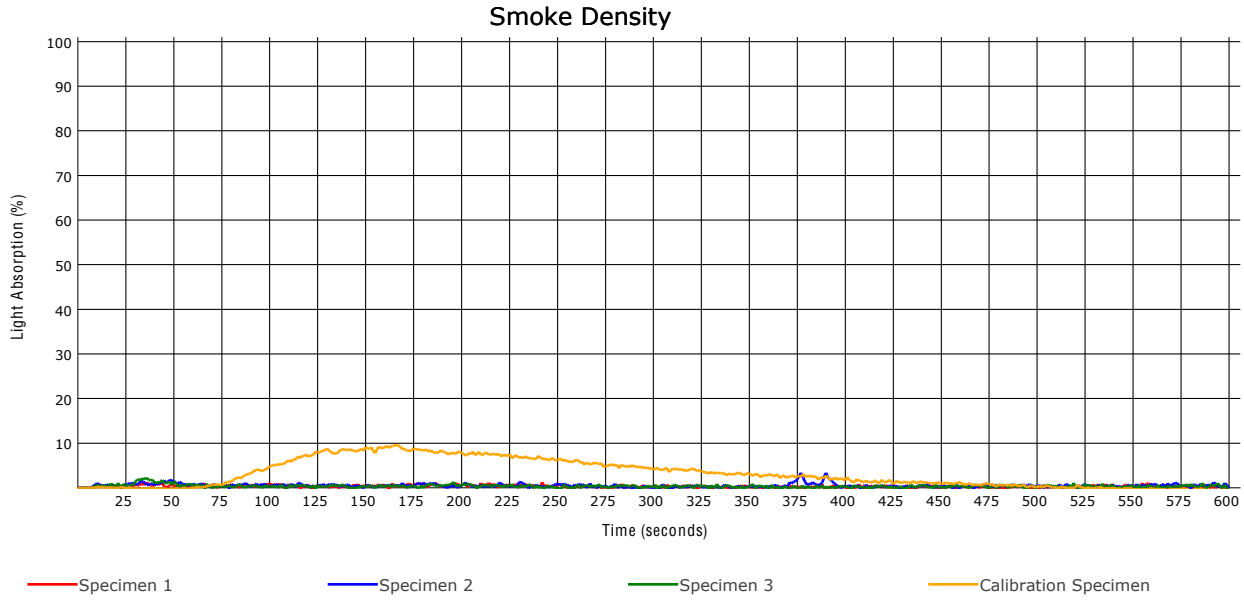
AUTHORIZED SIGNATURE

Docusign Envelope ID: CFCE2B04-5A86-49FF-B837-B684643A2E6B

Program: Steiner Tunnel (Version 1.0.3.0)

Test Method : CAN/ULC - S102
Test Report # : 3-59648-0-C



Docusign Envelope ID: CFCE2B04-5A86-49FF-B837-B684643A2E6B

Program: Steiner Tunnel (Version 1.0.3.0)

Test Method : CAN/ULC - S102
Test Report # : 3-59648-0-C

