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CAN ULC S102-18 Fire Test Report

Issued to **Camira Fabrics**

Product ID **Blazer + FR Treatment (Z)**

Scope of Evaluation

Fire Testing to CAN ULC S102-18 "STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND ASSEMBLIES"

Test Report Number
RTL1355-2

Date of Test
9/15/2026, 2:56:28 PM

Report Issued on
September 23, 2026

Record Kept until
September 22, 2030

Report Template Control Number
Test Report; V1.8_9-16-2025

Number of Pages in Report
11



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Report Issued To:
Camira Fabrics
Meltham Mills, Meltham, Holmfirth
West Yorkshire, HD9 4AY
UK

Proposal Number: SSP-03172026-04
Acceptance Date: Wednesday, March 18, 2026
Accepted By: Holly Parker

Product ID: Blazer + FR Treatment (Z)
as stated by client.

Witnesses of Test: Paulo Hernandez-RTL, Scott Parkhurst-RTL

Test Result:

	Flame Spread Rating (FSR)	Smoke Developed Rating (SDR	Note:
Test 1:	8.9	4.0	
Test 2	9.7	5.7	
Test 3	8.7	5.9	
Average Rounded	10	5	

**See Details of Evaluation on the subsequent pages of this report.*

Prepared by

Name: **Michael McConnell**
Title: *Technician*
Date: September 23, 2026

Signed for and on the behalf of
Right Testing Laboratories, llc.

Scott Parkhurst
Laboratory Manager
September 23, 2026

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Section 1: Product Details

1.1 Sampling Detail:

The Test sample was delivered to Right Testing Labs by the client directly. No witness of sample preparation was observed by RTL.

1.2 Sample Receiving Date: Friday, September 4, 2026

1.3 Sample Condition as Received: Good

Product ID: (as stated by client) Blazer + FR Treatment (Z)

Sample Type:	Interior Surface Material	
Sample Received Width:	56	inches
Sample Received Length:	16	yards
Sample Received Thickness	0.05	inches
# of Samples Received:	9	pieces

1.4 Sample Conditioning:

Average Temperature:	71.9	°F
Average Humidity:	51.7	%RH
Conditioning Time:	14.9	Days
Moisture Content	N/A	%

Note: Test specimen conditioning was done in accordance with CAN ULC S102, 18

1.5 Testing Preparation:

The received test sample was adhered to (3) 24" X 96" X 1/2" GRC board with Roman PRO-732 (Extra Strength Clay Base Adhesive) in accordance with Appendix A1.19 and allowed to cure for 5-days. The (3) 24-inch wide by 8-foot long test specimens were cut to approximately 24" width to test on the chamber ledge in accordance to CAN/ULC-S102.

Section 2: Procedure / Evaluation Method

2.1 Scope of Test Method

This fire-test-response standard is used for the comparative surface burning behavior of building materials and is applicable to exposed surfaces such as walls, ceilings and others. The test is conducted with the specimen in the ceiling position with the surface to be evaluated exposed face down to the ignition source. The material, product, or assembly shall be capable of being mounted in the test position during the test. Thus, the specimen shall either be self-supporting by its own structural quality, held in place by added supports along the test surface, or secured from the back side. The purpose of this test method is to determine the relative burning behavior of the material by observing the flame spread along the specimen. Flame spread and smoke developed Values (FSV-SDV) are reported. However, there is not necessarily a relationship between these two measurements.

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2.1 Scope (Continued from previous page)

The use of supporting materials on the underside of the test specimen has the ability to lower the flame spread index from those which might be obtained if the specimen could be tested without such support. These test results do not necessarily relate to indices obtained by testing materials without such support.

Testing of materials that melt, drip, or delaminate to such a degree that the continuity of the flame front is destroyed, results in low flame spread indices that do not relate directly to indices obtained by testing materials that remain in place.

This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire-hazard or fire-risk assessment of the materials, products, or assemblies under actual fire conditions. Right Testing Laboratories has obtained the tested values on the test specimen as recieved when assembled and tested as outlined in this report by using the designated test method(s) noted above. The results obtained only apply to the specimen tested in this report, which does not constitute that Right Testing Laboratories' endorses nor certifies the product tested under this evaluation.

2.2 Procedure

The fire test chamber, a rectangular horizontal duct with a removable lid with inside dimensions, measures approximately 18 inches wide by 12 inches deep by approximately 25 feet long, which is used for comparative surface burning behavior of building materials to determine flame spread value (FSV) and a smoke developed value (SDV). The specimen is exposed to the test flame in the test chamber for a total of 10-minutes with observations recorded. The FSV and SDV of the test specimen are compared to that of the calibration media of CAN/ULC-S102 (Red Oak: Flame Spread and 100% Smoke, Concrete Board:0% Smoke) and rounded according to CAN/ULC S102 Calculations. The Flame Spread Rating (FSR) and Smoke Developed Classification (SDC) are based on the numerical average rounded to the nearest multiple of 5 points of a minimum of three individual test runs on identical specimens.

Materials which cannot be tested as described in Clause 1.1 of CAN/ULC-S102, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies, without the use of supporting material that is not representative of the intended installation; Materials which, when tested in the manner described in Clause 1.1 of CAN/ULC-S102, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies, melts or drips, or otherwise disintegrates and continues to burn on the floor of the test chamber; Materials designed for use in a relatively horizontal position with only its top surface exposed to air; or Thermoplastic materials, are tested per CAN/ULC-S102.2 on the chamber floor.

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2.3 Test Specimen Details

Sample as Tested Width:	24.00	inches
Sample as Tested Length:	8	foot
Sample as Tested Thickness:	0.05	inches
# of Samples as Tested:	3	pieces
Testing Date:	9/15/2026, 2:56:28 PM	
Temperature at Test:	72.4	°F
Humidity at Test:	52	%RH
Chamber support Type:	Chamber Ledge	
Referenced Mounting Method:	#N/A	
Side of Specimen Tested:	Side opposite of "Back of Specimen Sticker" on panel	
Color of Specimen	Grey	
Cement Board	1/4-inch Fiber Cement board was placed on the tunnel ledge.	
Substrate Material	N/A	
Total Fuel Consumed (ft³)Test #1	54.0 **Test #2** 54.0 **Test #3** 54.0	

Section 3: Test Results

3.1 Results	Test #1	Test #2	Test #3	Average Rounded
FSV (unrounded)	**8.9**	**9.7**	**8.7**	**10**
SDV (unrounded)	**4.0**	**5.7**	**5.9**	**5**

**See Appendix A for test data sheets.*

3.2 Test Data	Test #1	Test #2	Test #3
Total Area (Meter/Min)	**15.9**	**17.3**	**15.5**
Time of Ignition	**00:52**	**00:50**	**01:04**
Max Flame Distance 10-min Test (ft)	**1.8**	**1.9**	**1.8**
Time at Max Flame Distance 10-min (mm:ss)	**01:30**	**01:31**	**01:25**
Maximum Smoke Obscurity (%)	**8.8**	**22**	**12.6**
Time at Maximum Smoke (mm:ss)	**01:09**	**01:17**	**00:58**
Maximum Temperature Exposed Thermocouple (°F)	**603**	**578**	**594**
Time at Maximum Temperature (mm:ss)	**10:00**	**10:00**	**10:00**
Total Duration of Test	**10:00**	**10:00**	**10:00**

3.3.1 Observations

event	mm:ss	event	mm:ss	event	mm:ss
Discoloration	03:51	Splitting	None	Flaking	None
Bubbling	06:13	Peeling	None	Flaking Embers	None
Shrinking	10:00	Dripping	None	Flashing	None
Warping	10:00	Melting	None	Falling pieces	None
Blistering	None	Flaming Dripping	None	Crackling	None
Sagging	None	Floor Burning	None	Afterglow	None
Cracking	None	Charring	None	Afterburn	00:00

Other Observations:	The Material ignited at 00:52. Flaking was observed at 03:51. Falling pieces was observed at 06:13. Afterglow was observed at 10:00. Afterburn was observed at 10:00.

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3.3.2 Observations Test #2

event	mm:ss	event	mm:ss	event	mm:ss
Discoloration	None	Splitting	None	Flaking	04:07
Bubbling	None	Peeling	None	Flaking Embers	None
Shrinking	None	Dripping	None	Flashing	None
Warping	None	Melting	None	Falling pieces	06:38
Blistering	None	Flaming Dripping	None	Crackling	None
Sagging	None	Floor Burning	None	Afterglow	10:00
Cracking	None	Charring	None	Afterburn	10:00
Other Observations:	The Material ignited at 00:50. Flaking was observed at 04:07. Falling pieces was observed at 06:38. Afterglow was observed at 10:00. Afterburn was observed at 10:00. The test specimen did not remain in place on the chamber ledge for the duration of the test.				

3.3.3 Observations Test #3

event	mm:ss	event	mm:ss	event	mm:ss
Discoloration	None	Splitting	None	Flaking	03:47
Bubbling	None	Peeling	None	Flaking Embers	None
Shrinking	None	Dripping	None	Flashing	None
Warping	None	Melting	None	Falling pieces	06:17
Blistering	None	Flaming Dripping	None	Crackling	None
Sagging	None	Floor Burning	None	Afterglow	10:00
Cracking	None	Charring	None	Afterburn	10:00
Other Observations:	The Material ignited at 01:04. Flaking was observed at 03:47. Falling pieces was observed at 06:17. Afterglow was observed at 10:00. Afterburn was observed at 10:00. The test specimen did not remain in place on the chamber ledge for the duration of the test.				

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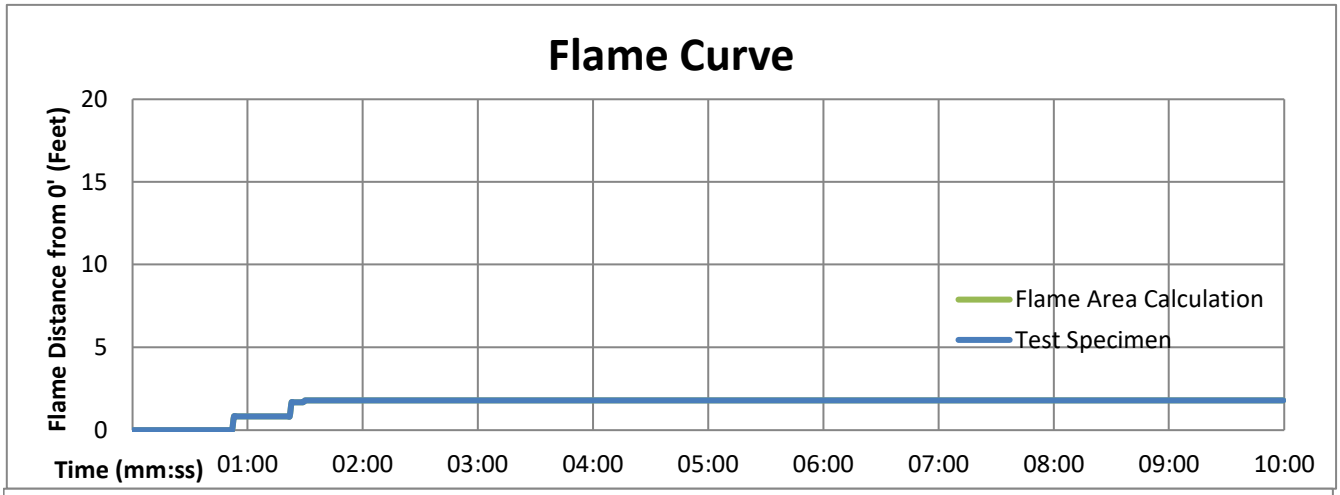
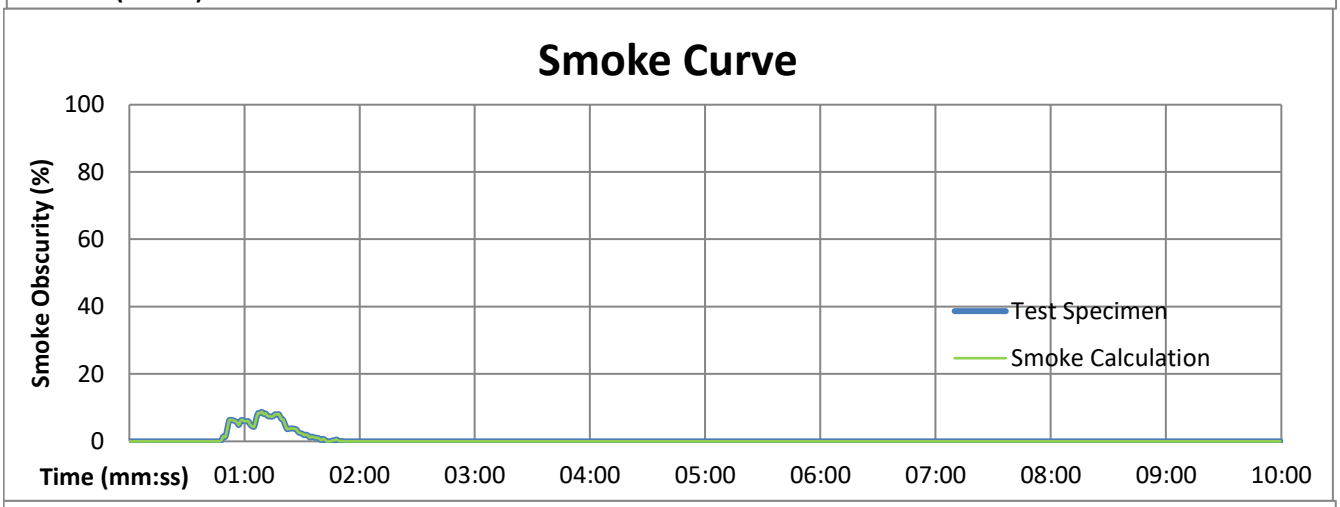
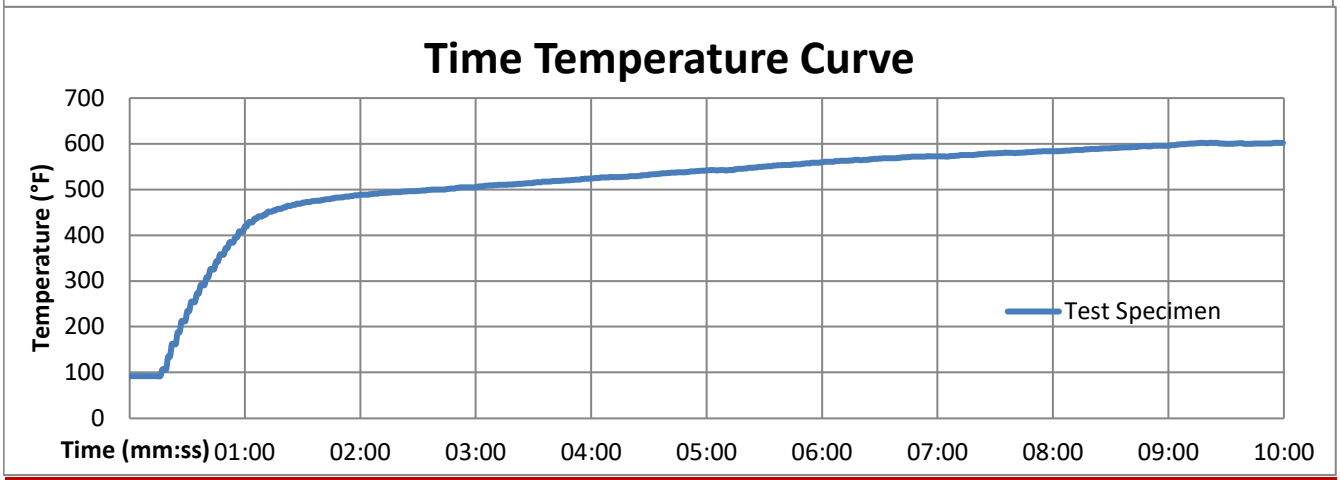
Appendix A - Test Data

Product ID **Blazer + FR Treatment (Z), Test Specimen 1.**







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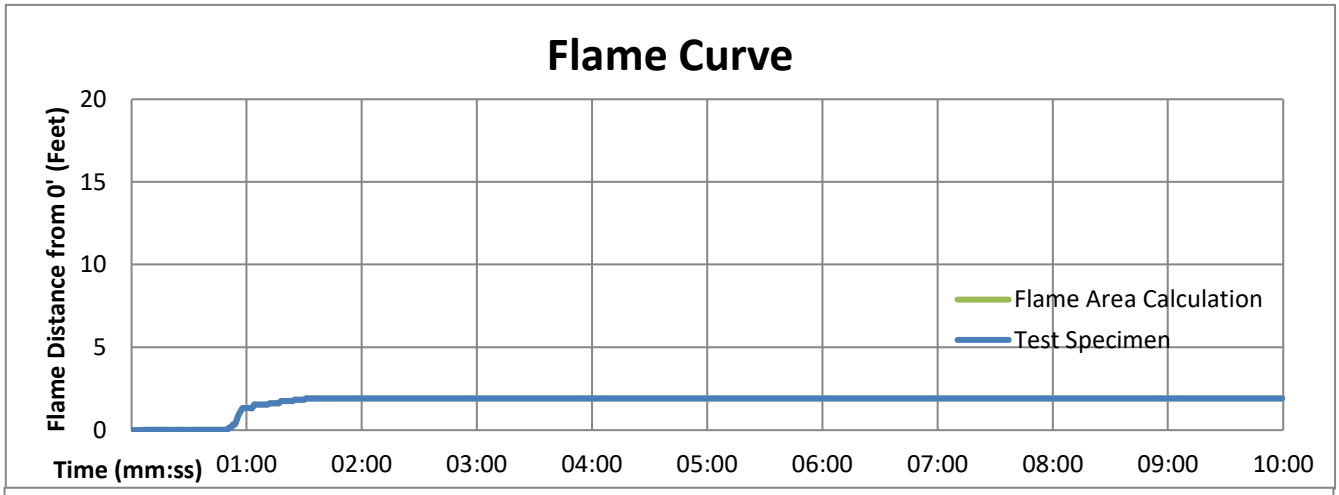
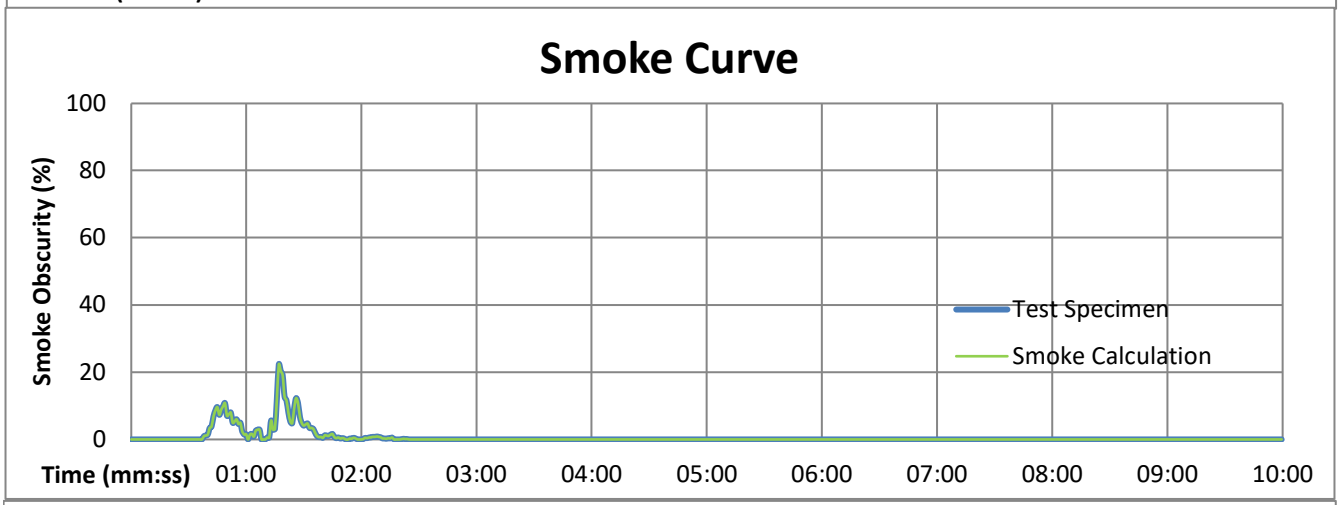
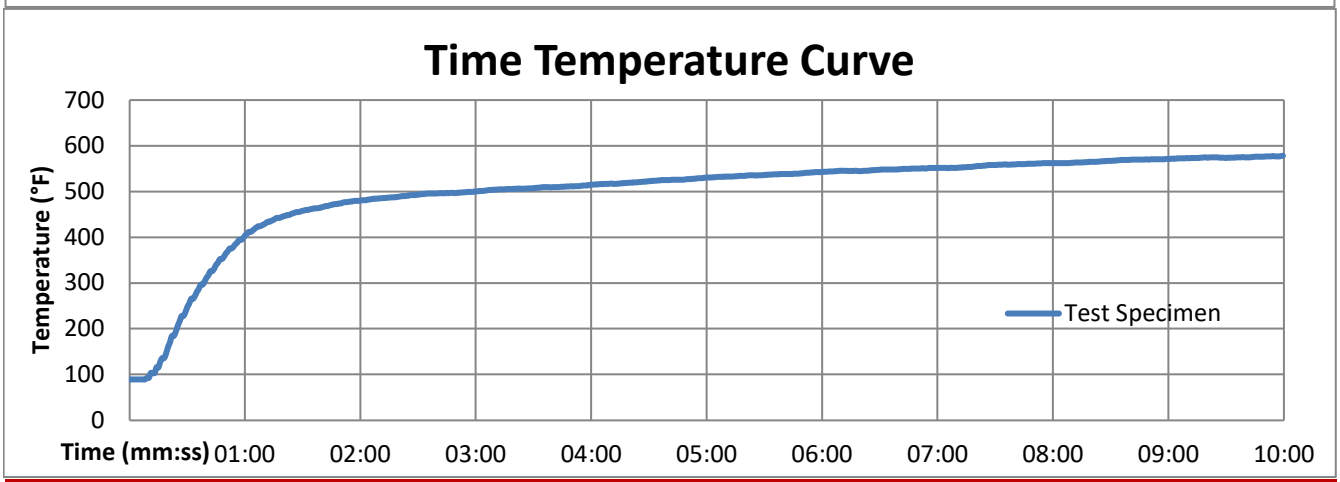
Appendix A - Test Data

Product ID **Blazer + FR Treatment (Z), Test Specimen 2.**







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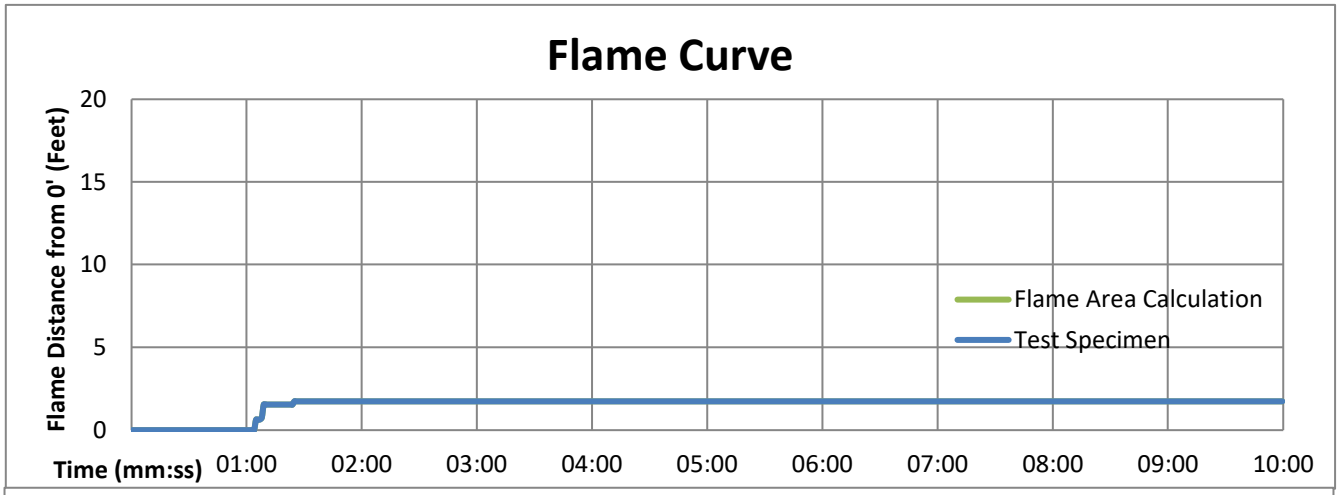
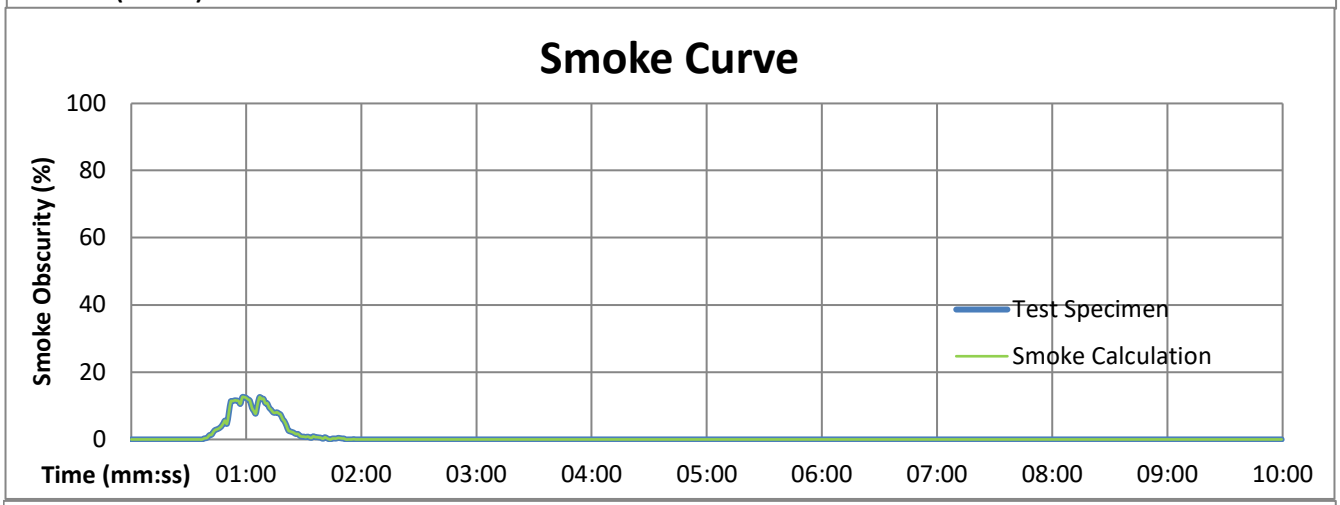
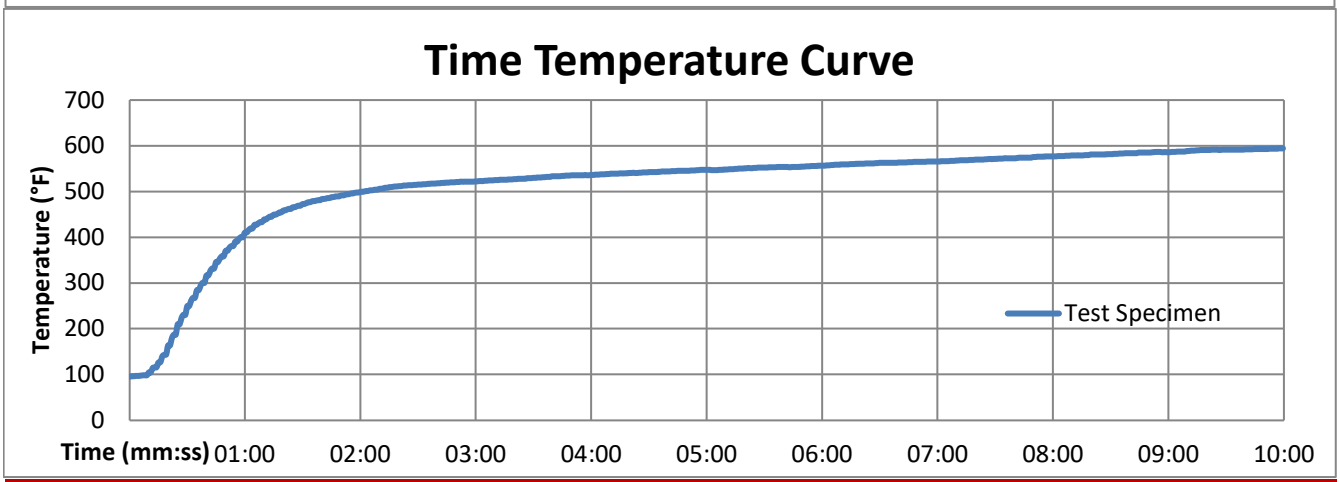
Appendix A - Test Data

Product ID **Blazer + FR Treatment (Z), Test Specimen 3.**







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Appendix B - Photographs

Product ID **Blazer + FR Treatment (Z)**



Photograph No. 1: Test specimen prior to testing. Typical to all specimens of test prior to test.

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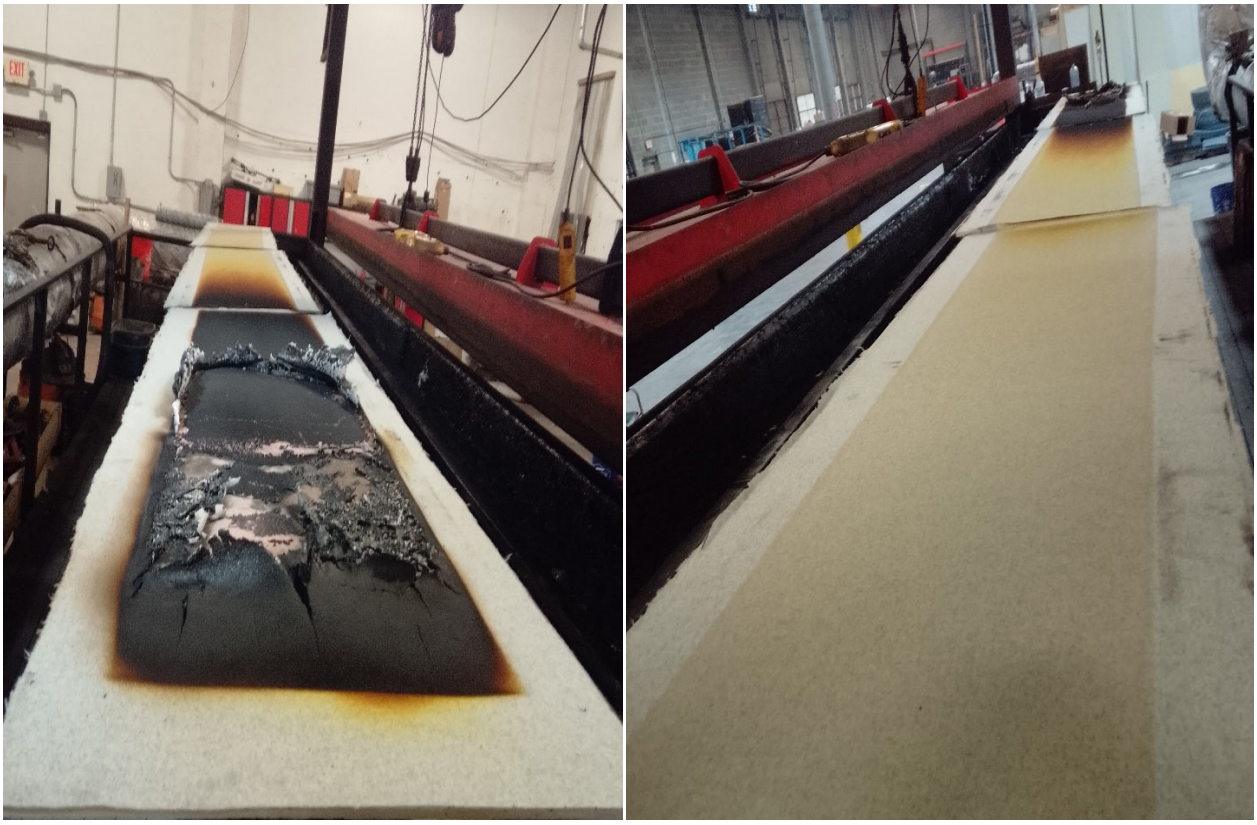
Appendix B - Photographs

Product ID **Blazer + FR Treatment (Z)**



Photograph No. 2: Test after test showing full flamespread down the length of the 24' specimen.

>>>END OF TEST EVALUATION>>>

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