

CARTER ARCHITECTURAL PANELS, INC. TEST REPORT

SCOPE OF WORK

REPORT OF TESTING ON 4MM THICK ETALBOND FR CORE ACM PANELS FOR COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING CRITERIA: CAN/ULC S102-18-(R2024) STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND ASSEMBLIES.

REPORT NUMBER

106595565OQ-002 R0

TEST DATE(S)

07/30/26 - 07/30/26

ISSUE DATE

08/13/26

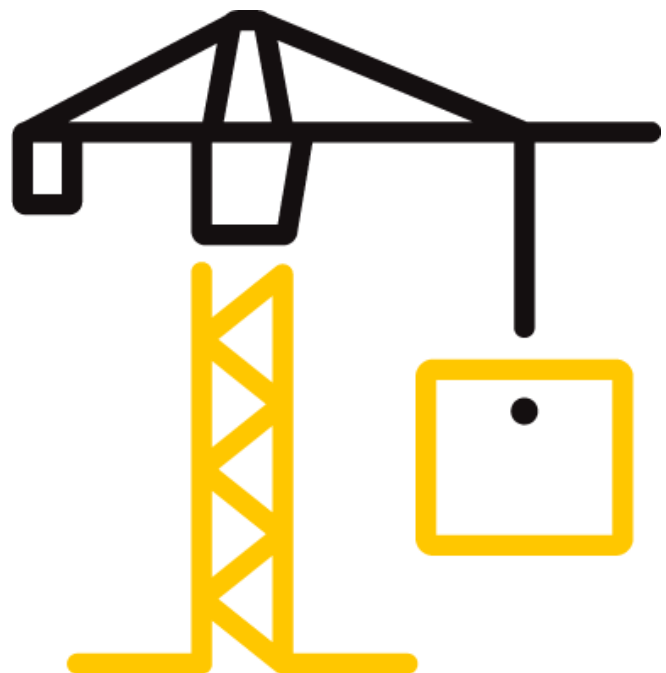
PAGES

16

DOCUMENT CONTROL NUMBER

GFT-OP-10C (13 MAY 2026)

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

Report No.: 106595565OQ-002 R0

Date: 08/13/26

REPORT ISSUED TO

CARTER ARCHITECTURAL PANELS, INC.

7453 E PECOS RD SUITE 101

MESA, AZ 85212 USA

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Carter Architectural Panels, Inc. 7453 E Pecos Rd Suite 101 Mesa, AZ 85212 USA to perform testing in accordance with CAN/ULC S102-18-(R2024) Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies on 4mm thick Etalbond FR Core ACM Panels. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek Testing Services NA Ltd. (Intertek) test facility in Coquitlam, BC Canada.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, or other pertinent project documentation, will be retained for the entire test record retention period.

SECTION 2

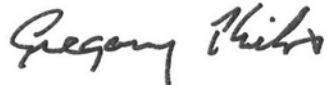
SUMMARY OF TEST RESULTS

The samples of 4mm thick Etalbond FR Core ACM Panels submitted by Carter Architectural Panels, Inc. were tested in accordance with S102-18-(R2024) Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

The product test results are presented in Section 10 of this report.

For INTERTEK B&C:

COMPLETED BY:	Sean Fewer
TITLE:	Technician – B&C
SIGNATURE:	
DATE:	08/05/26

REVIEWED BY:	Greg Philp
TITLE:	Reviewer- B&C
SIGNATURE:	
DATE:	08/05/26

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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SECTION 3

TEST METHOD(S)

The specimens were evaluated in accordance with the following:

CAN/ULC S102-18-(R2024) Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

SECTION 4

MATERIAL SOURCE/INSTALLATION

Samples were submitted to Intertek directly from the client and were not independently selected for testing and Intertek accepts no responsibility for any inaccuracies provided.

The test samples were received by the test facility on 06/30/2026 (Coquitlam ID# VAN2607161403-001).

SECTION 5

EQUIPMENT

ASSET #	DESCRIPTION	MODEL	CAL DUE DATE
WH2189	Photocell	Huygen 856	05/15/27
WH 2190	Smoke Opacity Meter	Huygen	05/15/27
WH 2494	Data Logger	Phidgets DAQ 2020	11/06/26
	FS Tunnel (S102)	N/A	12/22/26

SECTION 6

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Sean Fewer	Intertek B&C

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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SECTION 7**TEST CALCULATIONS**

The results of the tests are expressed by indexes, which compare the characteristics of the sample under tests relative to that of select grade red oak flooring and inorganic-cement board.

(A) Flame Spread Rating:

This index relates to the rate of progression of a flame along a sample in the 7620 mm tunnel. A natural gas flame is applied to the front of the sample at the start of the test and drawn along the sample by a draft kept constant for the duration of the test. An observer notes the progression of the flame front relative to time.

The test apparatus is calibrated such that the flame front for red oak flooring passes out the end of the tunnel in five minutes, thirty seconds (plus or minus 15 seconds).

(B) Smoke Developed:

A photocell is used to measure the amount of light, which is obscured by the smoke passing down the tunnel duct. When the smoke from a burning sample obscures the light beam, the output from the photocell decreases. This decrease with time is recorded and compared to the results obtained for red oak, which is defined to be 100.

SECTION 8**TEST SPECIMEN DESCRIPTION**

Upon receipt of the samples at the Intertek Coquitlam laboratory they were placed in a conditioning room where they remained in an atmosphere of $23 \pm 3^{\circ}\text{C}$ ($73.4 \pm 5^{\circ}\text{F}$) and $50 \pm 5\%$ relative humidity.

The sample material was identified by the client as 4mm thick Etalbond FR Core ACM Panels Each panel measured 610mm wide by 2440mm long.

For each trial run, 610mm wide by 7320mm long of sample material was placed on the upper ledge of the flame spread tunnel to form the required 7315mm sample length. A layer of 6 mm. reinforced cement board was placed over top of the samples, the tunnel lid was lowered into place, and the samples were then tested in accordance with CAN/ULC S102-18 at a room temperature of 21°C and 54% humidity.

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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SECTION 9

TEST RESULTS

(A) Flame Spread

The resultant flame spread ratings are as follows:

(Rating rounded to nearest 5)

4mm thick Etalbond FR Core ACM Panels	Flame Spread	Flame Spread Rating
Run 1	4	5
Run 2	5	
Run 3	0	

(B) Smoke Developed

The areas beneath the smoke developed curve and the related classifications are as follows:

(Classification rounded to nearest 5)

4mm thick Etalbond FR Core ACM Panels	Smoke Developed	Smoke Developed Classification
Run 1	20	30
Run 2	53	
Run 3	21	

(C) Observations

During the test runs, surface ignition occurred between 131 and 419 seconds. The flame then began to progress along the sample length until it reached the maximum flame spread. This was the case for all three test runs.

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SECTION 10**CONCLUSION**

The samples of 4mm thick Etalbond FR Core ACM Panels submitted by Carter Architectural Panels, Inc. exhibited the following flame spread characteristics when tested in accordance with CAN/ULC S102-18-(R2024) Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

A series of three test runs of material was conducted to conform to the requirements of the National Building Code of Canada.

Sample Material	Flame Spread Rating	Smoke Developed Classification
4mm thick Etalbond FR Core ACM Panels	5	30

The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.



Total Quality. Assured.

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

Report No.: 106595565OQ-002 R0

Date: 08/13/26

1500 Brigantine Drive
Coquitlam, BC V3K 7C1

Telephone: 604-520-3321
www.intertek.com/building

SECTION 11

TEST DATA (6 PAGES)

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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CAN/ULC S102-18 DATA SHEETS

Run 1

Page 1 of 2

Standard: ULC S102

Lab ID: Intertek Coquitlam Fire Laboratory
Client: Carter Architectural
Date: 30 Jul 2026
Project Number: 106595565
Test Number: 1
Operator: Sean Fewer

Specimen ID and Description:

4mm Etalbond FR Core ACM

20c 54rh

TEST RESULTS

FLAMESPREAD INDEX: 4.000
SMOKE DEVELOPED INDEX: 20.000

SPECIMEN DATA

Time to Ignition (sec): 130.502
Time to Max Flame Spread (min): 9.025
Maximum Flame Spread (mm): 2.100
Time to 527 C / 980 F (sec): 0.000
Max Temperature (deg F or C as per test standard): 272.550
Time to Max Temperature (sec): 598.502
Total Fuel Burned (cubic feet): 44.115

Flame Spread*Time Area (M*min): 2.114
Smoke Area (%A*min): 28.905
Unrounded FSI: 3.911
Unrounded SDI: 19.503

CALIBRATION DATA

Time to Ignition of Last Red Oak (sec): 44

Calibrated Smoke Area (%A*min): 148.208

15 point Heptane average for E84-19b
5 point Red Oak average for S102

Tested by: SF

Reviewed by: SP

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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CAN/ULC S102-18 DATA SHEETS

Run 1

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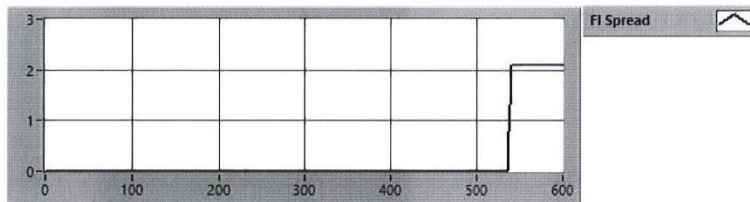
Client: Carter Architectural

Project Number: 106595565

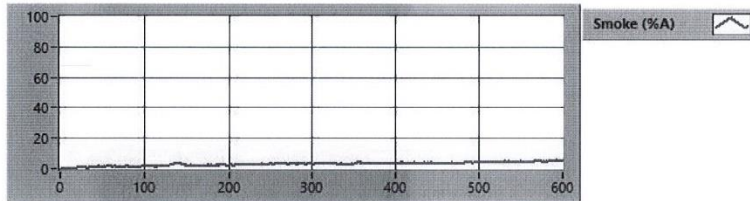
Test Number: 1

Test Standard: ULC S102

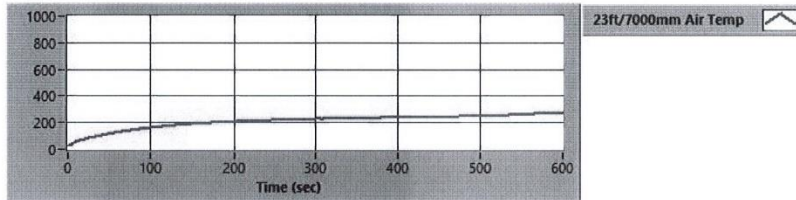
FLAME SPREAD



SMOKE (%A)



TEMPERATURE



Tested by: SF.

Reviewed by: SP

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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CAN/ULC S102-18 DATA SHEETS

Run 2

Page 1 of 2

Standard: ULC S102

Lab ID: Intertek Coquitlam Fire Laboratory
Client: Carter Architectural
Date: 30 Jul 2026
Project Number: 106595565
Test Number: 2
Operator: Sean Fewer

Specimen ID and Description:

4mm etalbond FR Core ACM

20c 54rh

TEST RESULTS

FLAMESPREAD INDEX: 5.000
SMOKE DEVELOPED INDEX: 53.000

SPECIMEN DATA

Time to Ignition (sec): 419.150
Time to Max Flame Spread (min): 9.769
Maximum Flame Spread (mm): 2.620
Time to 527 C / 980 F (sec): 0.000
Max Temperature (deg F or C as per test standard): 339.741
Time to Max Temperature (sec): 599.150
Total Fuel Burned (cubic feet): 44.094

Flame Spread*Time Area (M*min): 2.719
Smoke Area (%A*min): 78.430
Unrounded FSI: 5.030
Unrounded SDI: 52.919

CALIBRATION DATA

Time to Ignition of Last Red Oak (sec): 44

Calibrated Smoke Area (%A*min): 148.208

15 point Heptane average for E84-19b
5 point Red Oak average for S102

Tested by: SF

Reviewed by: SP

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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CAN/ULC S102-18 DATA SHEETS

Run 2

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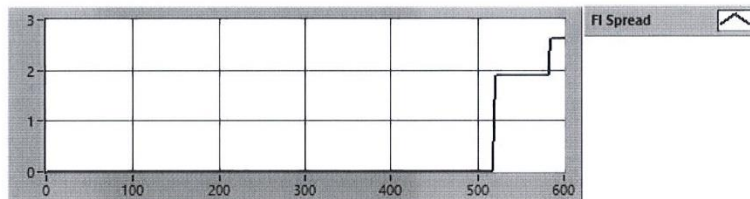
Client: Carter Architectural

Project Number: 106595565

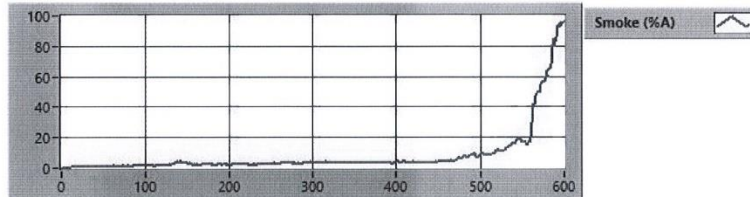
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Test Standard: ULC S102

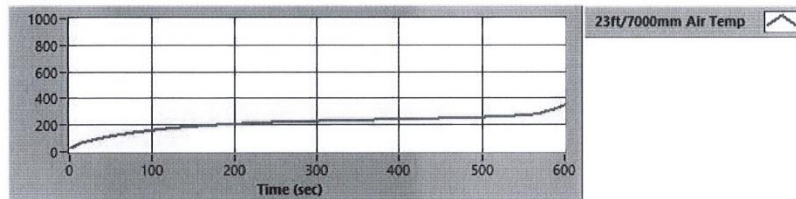
FLAME SPREAD



SMOKE (%A)



TEMPERATURE



Tested by: S.F.

Reviewed by: gp

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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Date: 08/13/26

CAN/ULC S102-18 DATA SHEETS

Run 3

Page 1 of 2

Standard: ULC S102

Lab ID: Intertek Coquitlam Fire Laboratory
Client: Carter Architectural
Date: 30 Jul 2026
Project Number: 106595565
Test Number: 3
Operator: Sean Fewer

Specimen ID and Description:

4mm etalbond FR core ACM

TEST RESULTS

FLAMESPREAD INDEX: 0.000
SMOKE DEVELOPED INDEX: 21.000

SPECIMEN DATA

Time to Ignition (sec): 172.277
Time to Max Flame Spread (min): 0.000
Maximum Flame Spread (mm): 0.000
Time to 527 C / 980 F (sec): 0.000
Max Temperature (deg F or C as per test standard): 242.176
Time to Max Temperature (sec): 594.276
Total Fuel Burned (cubic feet): 43.978

Flame Spread*Time Area (M*min): 0.000
Smoke Area (%A*min): 31.123
Unrounded FSI: 0.000
Unrounded SDI: 20.999

CALIBRATION DATA

Time to Ignition of Last Red Oak (sec): 44
Calibrated Smoke Area (%A*min): 148.208

15 point Heptane average for E84-19b
5 point Red Oak average for S102

Tested by: SF

Reviewed by: SP

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

Report No.: 106595565OQ-002 R0

Date: 08/13/26

CAN/ULC S102-18 DATA SHEETS

Run 3

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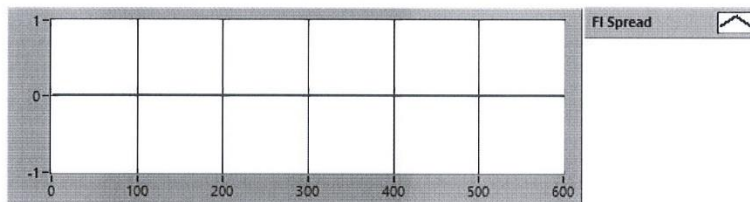
Client: Carter Architectural

Project Number: 106595565

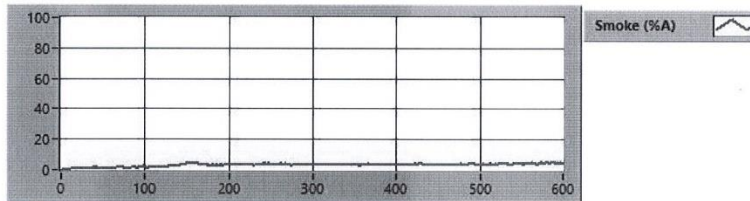
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Test Standard: ULC S102

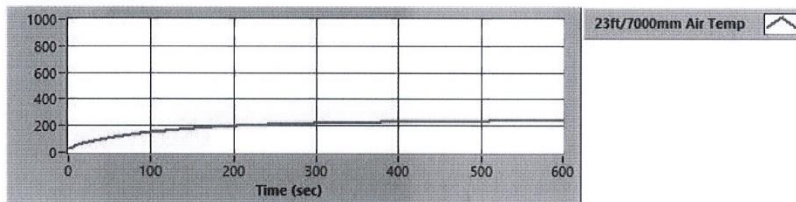
FLAME SPREAD



SMOKE (%A)



TEMPERATURE



Tested by: SF.

Reviewed by: gp

TEST REPORT FOR CARTER ARCHITECTURAL PANELS, INC.

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SECTION 12 PHOTOGRAPHS



Photo No. 1
Pre-Test



Photo No. 2
Post Test



Total Quality. Assured.

1500 Brigantine Drive
Coquitlam, BC V3K 7C1

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www.intertek.com/building

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SECTION 13

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	08/13/26	N/A	Original Report Issue