

# ARCONIC ARCHITECTURAL PRODUCTS, LLC TEST REPORT

**SCOPE OF WORK**

CAN/ULC-S114-2018; STANDARD METHOD OF TEST FOR DETERMINATION OF NON-COMBUSTIBILITY IN BUILDING MATERIALS ON AS3000.

**REPORT NUMBER**

105827647MID-001

**TEST DATE(S)**

04/10/24

**ISSUE DATE**      **[REVISED DATE]**

05/13/24              N/A

**PAGES**

5

**DOCUMENT CONTROL NUMBER**

GFT-OP-10c (09/29/20)

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## TEST REPORT FOR ARCONIC ARCHITECTURAL PRODUCTS, LLC

Report No.: 105827647MID-001

Date: 05/13/24

### REPORT ISSUED TO

#### ARCONIC ARCHITECTURAL PRODUCTS, LLC

50 Industrial Boulevard

Eastman, GA 31023

### SECTION 1

#### SCOPE

Intertek Testing Services NA, Inc. dba Intertek Building & Construction (B&C) was contracted by Arconic Architectural Products, LLC, 50 Industrial Boulevard, Eastman, GA 31023 to perform testing in accordance with CAN/ULC-S114-2018; Standard Method of Test for Determination of Non-Combustibility in Building Materials, on their AS3000. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek test facility in Middleton, WI.

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, representative samples of test specimens (where required by Certification or Accreditation bodies), or other pertinent project documentation, will be retained for the entire test record retention period.

### SECTION 2

#### SUMMARY OF TEST RESULTS

AS3000 met the specified performance requirements.

For INTERTEK B&C:

<b>COMPLETED BY:</b>	Joel Zumwalt	<b>REVIEWED BY:</b>	Sandy Osborne
<b>TITLE:</b>	Lab Technician II	<b>TITLE:</b>	Lab Technician I
<b>SIGNATURE:</b>		<b>SIGNATURE:</b>	
<b>DATE:</b>	05/13/24	<b>DATE:</b>	05/13/24

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### SECTION 3

#### TEST METHOD(S)

The specimens were evaluated in accordance with the following:

**CAN/ULC-S114-2018**; *Standard Method of Test for Determination of Non-Combustibility in Building Materials*

### SECTION 4

#### MATERIAL SOURCE/INSTALLATION

Test samples were provided by the client. The results outlined in this report apply to the sample as received. Samples were received at the Evaluation Center on April 8, 2024 in good condition verified by Sample MID2405130913-001

### SECTION 5

#### EQUIPMENT

EQUIPMENT			
ASSET # - DESCRIPTION:	Furnace- 1230	VBU:	4/10/2024
ASSET # - DESCRIPTION:	Stopwatch- 1583	CALIBRATION DUE:	7/5/2024
ASSET # - DESCRIPTION:	Caliper- 1541	CALIBRATION DUE:	1/10/2025
ASSET # - DESCRIPTION:	Scale- 1396	CALIBRATION DUE:	4/3/2025
ASSET # - DESCRIPTION:	Oven- 1200	CALIBRATION DUE:	FRO
ASSET # - DESCRIPTION:	Oven Logger- 1324	CALIBRATION DUE:	10/10/2024
ASSET # - DESCRIPTION:	Temp/Humidity Reader Sample Rm- 1451	CALIBRATION DUE:	3/12/2025
ASSET # - DESCRIPTION:	Temp/Humidity Reader- 1456	CALIBRATION DUE:	2/26/2025
ASSET # - DESCRIPTION:	DAQ- 1437	CALIBRATION DUE:	10/6/2024

### SECTION 6

#### TEST PROCEDURE

Testing was conducted in accordance with Section 5, Procedure of the standard. There were no deviations from the standard.

### SECTION 7

#### TEST CRITERIA

Material subjected to the test described in Section 5, Procedure, shall be reported as non-combustible, if:

- A) The mean of the maximum temperature rise for the three (or more) specimens of the sample during the test shall not exceed 36 °C; and
- B) There is no flaming of any of the three (or more) specimens during the last 14 min and 30 s of the test; and

Note: Any surface flash, transitory flaming or sustained flaming constitutes flaming for the purposes of this requirement.

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- (I) The maximum loss of mass of any of the three (or more) specimens during the test shall not exceed 20 %; or
- (II) The maximum loss of mass of any of the three (or more) specimens during the test shall not exceed 22 % and the following two criteria are met for any of the three (or more) specimens during the test:
  - A) The indicating thermocouple T<sup>1</sup> shall not rise above the stabilized furnace temperature T<sup>2</sup> at any time during the test; and
  - B) No flaming from the specimens shall be observed at any time during the test.

### SECTION 8

#### TEST SPECIMEN DESCRIPTION

Samples were received as a large sheet measuring approximately 18 ft by 6 ft by 3 mm thick. A large piece was removed and then cut to pieces measuring approximately 38 mm by 50 mm by Intertek. Twelve of these pieces were stacked side by side to achieve a specimen width of approximately 37 mm by Intertek. Specimens were then allowed to condition in accordance with section 4.4 of the standard prior to testing by Intertek.

### SECTION 9

#### TEST RESULTS

RESULTS TABLE					
Specimen	Initial Weight (g)	Final Weight (g)	Weight Loss (%)	Maximum Specimen Indicating	Flaming After 30 seconds of testing Yes/No
1	188.01	187.98	0.0%	721.6	No
2	190.46	190.44	0.0%	716.7	No
3	190.54	190.53	0.0%	713.8	No
4	190.40	190.36	0.0%	717.0	No
Average	189.85	189.83	0.0%	717.3	

OBSERVATIONS	
Specimen	Observations (quality, quantity or intensity and duration of flaming and/or smoking; and change in state)
1	Specimen exhibited no flaming or smoke during entire test run. Upon removal from furnace specimen appeared to have no change in physical state.
2	Specimen exhibited no flaming or smoke during entire test run. Upon removal from furnace specimen appeared to have no change in physical state.
3	Specimen exhibited no flaming or smoke during entire test run. Upon removal from furnace specimen appeared to have no change in physical state.
4	Specimen exhibited no flaming or smoke during entire test run. Upon removal from furnace specimen appeared to have no change in physical state.

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### SECTION 10

#### CONCLUSION

The maximum loss of mass of any specimen did not exceed 20%. The mean of the maximum temperature rise of the specimens did not exceed 36°C. There was no flaming from the test specimens during the last 14min and 30s of the test.

AS3000 met the specified performance requirements.

### SECTION 11

#### REVISION LOG

REVISION #	DATE	SECTION	REVISION
0	05/13/24	N/A	Original Report Issue