

WAYNE BUILDING PRODUCTS INC. TEST REPORT

SCOPE OF WORK

TESTING OF ARMOURSIDE STEEL SIDING (UNCOATED) FOR COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING CRITERIA: CAN/ULC S114-18, STANDARD METHOD OF TEST FOR DETERMINATION OF NON-COMBUSTIBILITY IN BUILDING MATERIALS

REPORT NUMBER

104175306COQ-011

TEST DATE(S)

05/05/20 - 05/06/20

ISSUE DATE

05/11/20

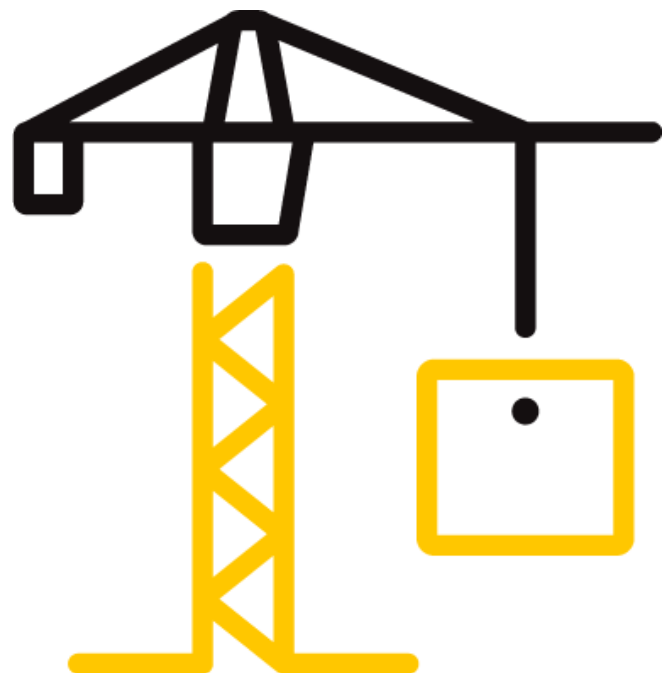
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GFT-OP-10c (AUGUST 27, 2018)

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Report No.: 104175306COQ-011

Date: 05/11/20

REPORT ISSUED TO

WAYNE BUILDING PRODUCTS INC.

12603- 123 STREET

EDMONTON, AB CAN T5L 0H9

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Wayne Building Products Inc. to perform testing in accordance with CAN/ULC S114-18, Standard Method of Test for Determination of Non-Combustibility in Building Materials, on their Armourside Steel Siding (Uncoated). 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.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. 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, or other pertinent project documentation, will be retained for the entire test record retention period.

SECTION 2

SUMMARY OF TEST RESULTS

The samples of Armourside Steel Siding (Uncoated) submitted by Wayne Building Products Inc., therefore meets the requirements to be classified as non-combustible in accordance with CAN/ULC S114-18, *Standard Method of Test for Determination of Non-Combustibility in Building Materials*.

COMPLETED BY:	Sean Fewer	REVIEWED BY:	Greg Philp
TITLE:	Technician – Fire	TITLE:	Reviewer- B&C
SIGNATURE:		SIGNATURE:	
DATE:	05/11/20	DATE:	05/11/20

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SECTION 3

TEST METHOD(S)

The specimens were evaluated in accordance with the following:

CAN/ULC S114-18, *Standard Method of Test for Determination of Non-Combustibility in Building Materials.*

SECTION 4

MATERIAL SOURCE/INSTALLATION

Intertek representative Kevin Binksma selected test samples on December 16, 2019 at the client's facility located at 14525-112 Avenue Edmonton, AB Canada. The inspector initialed material was received at the test facility on December 20, 2019.

SECTION 5

EQUIPMENT

ASSET #	DESCRIPTION	MODEL	CAL DUE DATE
P60664	Data Logger	Graphtec GL820	09/09/20
P50624	Stopwatch	Extech	11/08/20
P52606	Scale	Setra	02/04/21
P60758	S114 Furnace	N/A	09/24/20
#9-0447	Conditioning Oven		N/A

SECTION 6

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Sean Fewer	Intertek B&C

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SECTION 7

TEST PROCEDURE

Prior to testing of the samples at the Intertek Coquitlam laboratory, they were placed in an oven to dry at a temperature $60 \pm 3^{\circ}\text{C}$ ($140 \pm 5^{\circ}\text{F}$) for not less than 24 hrs. and no more than 48 hrs. After being dried the samples were cooled to room temperature before being tested.

Each test specimen measured 38 mm. by 38 mm. by 50 mm. After the specimens were conditioned, they were weighed and then tested in accordance with the test standard. The material 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 does not exceed 36°C ; and
- B There is no flaming of any of the three (or more) specimens during the last 14 minutes and 30 seconds of the test; and

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

- i. The maximum loss of mass of any of the three (or more) specimens during the test does 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 T1 shall not rise above the stabilized furnace temperature T2 at any time during the test; and
 - b) No flaming from the specimens shall be observed at any time during the test.

Three of four specimens must meet the above conditions in order to be considered non-combustible in accordance with CAN/ULC S114-18.

SECTION 8

TEST SPECIMEN DESCRIPTION

The sample materials consisted of uncoated aluminum tiles. The material measured 38 mm. by 38 mm. x 0.42 mm. thick tiles and was described by the client as Armourside Steel Siding (Uncoated) the tiles were stacked and held together using steel tie wire to make the required 50 mm. thickness.

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SECTION 9**TEST RESULTS**

Sample Number	Allowable Temp. Rise (°C)	Temp. Rise Above Initial (°C)	Flaming After 30 Secs.	Weight Loss (%)	Pass/Fail
1	36	0	No	0	Pass
2	36	0	No	0	Pass
3	36	0	No	0	Pass
4	36	0	No	0	Pass

TEST OBSERVATIONS

There was no visible flaming or smoke on any of the samples.

SECTION 10**CONCLUSION**

The samples of Armourside Steel Siding (Uncoated) submitted by Wayne Building Products Inc. meets the requirements to be classified as non-combustible in accordance with CAN/ULC S114-18, *Standard Method of Test for Determination of Non-Combustibility in Building Materials*,

The conclusions of this test report may be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

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SECTION 11

PHOTOGRAPHS



Photo No. 1
Post-Test



Photo No. 2
Post-Test



Total Quality. Assured.

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REVISION LOG

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