

WAYNE BUILDING PRODUCTS INC. TEST REPORT

SCOPE OF WORK

TESTING OF PLANK ARMOURSIDE STEEL SIDING (UNCOATED)) FOR COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING CRITERIA: ASTM E136-16A STANDARD TEST METHOD FOR BEHAVIOR OF MATERIALS IN A VERTICAL TUBE FURNACE AT 750°C. (OPTION A)

REPORT NUMBER

104175306COQ-005 R0

TEST DATE(S)

05/07/20 - 05/08/20

ISSUE DATE

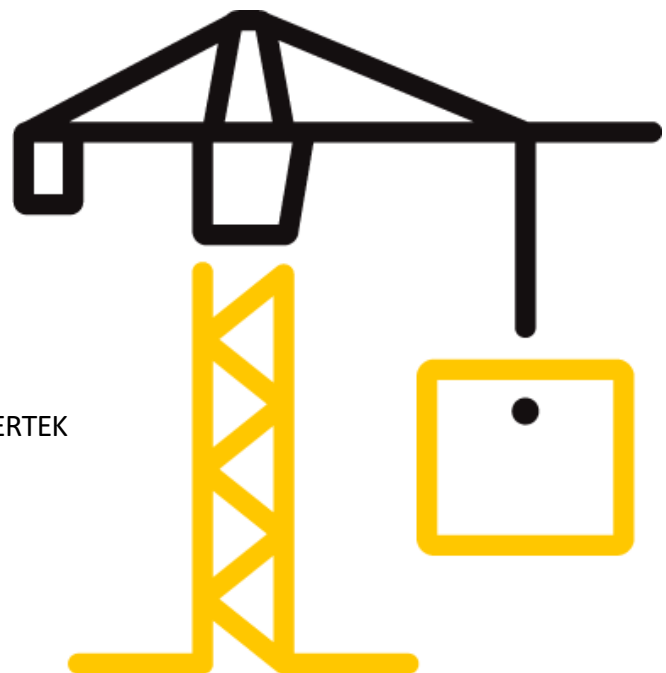
05/11/20

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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 ASTM E136-16a Standard Test Method for Behaviour of Materials in a Vertical Tube Furnace at 750°C (Option A) 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 ASTM E136-16a Standard Test Method for Behaviour of Materials in a Vertical Tube Furnace at 750°C (Option A).

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:

ASTM E136-16a - *Standard Test Method for Behaviour of Materials in a Vertical Tube Furnace at 750°C (Option A)*

SECTION 4

MATERIAL SOURCE/INSTALLATION

Intertek representative Kevin Binksmas 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 GL2200	11/23/20
P60624	Stopwatch	Extech	11/28/20
P52606	Scale	Setra	02/04/21
P60756	E136 Furnace	N/A	09/27/20
P60557	Data Logger	Graphtec GL820	09/05/20
#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.

TEST STANDARD

After the specimens were conditioned, they were weighed and then tested in accordance with ASTM E136-16a, option A. The standard states that; three of four samples must meet the individual specimen criteria detailed in section 15.2 or 15.3.

15.2 When the weight loss of the specimen is less than 50%:

15.2.1 The recorded temperatures of the surface and interior thermocouples do not at anytime during the test rise more than 30°C above the stabilized temperature at T_2 prior to the test.

15.2.2 There is no flaming from the specimen after the first 30 seconds.

15.3 When the weight loss of the specimen is over 50%:

15.3.1 The recorded temperatures of the surface and interior thermocouples do not at anytime during the test rise above the stabilized temperature at T_2 prior to the test.

15.3.2 There is no flaming from the specimen at anytime during the test.

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SECTION 8**TEST SPECIMEN DESCRIPTION**

The sample materials consisted of uncoated steel tiles. The material measured 38 mm. by 38 mm. x 0.42 mm. thick 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.

SECTION 9**TEST RESULTS**

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

TEST OBSERVATIONS

During the tests, there was no visible smoke or flaming.

SECTION 10**CONCLUSION**

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 ASTM E136-16a Standard Test Method for Behaviour of Materials in a Vertical Tube Furnace at 750°C (Option A).



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