

ARCONIC ARCHITECTURAL PRODUCTS TEST REPORT

SCOPE OF WORK

NFPA 259- 2018 EDITION, STANDARD TEST METHOD FOR POTENTIAL HEAT OF BUILDING MATERIALS ON 3MM PRE-PAINTED BONDED SHEET AS3000B

REPORT NUMBER

104314430MID-001

TEST DATE

03/30/20

ISSUE DATE

04/21/20

[REVISED DATE]

NA

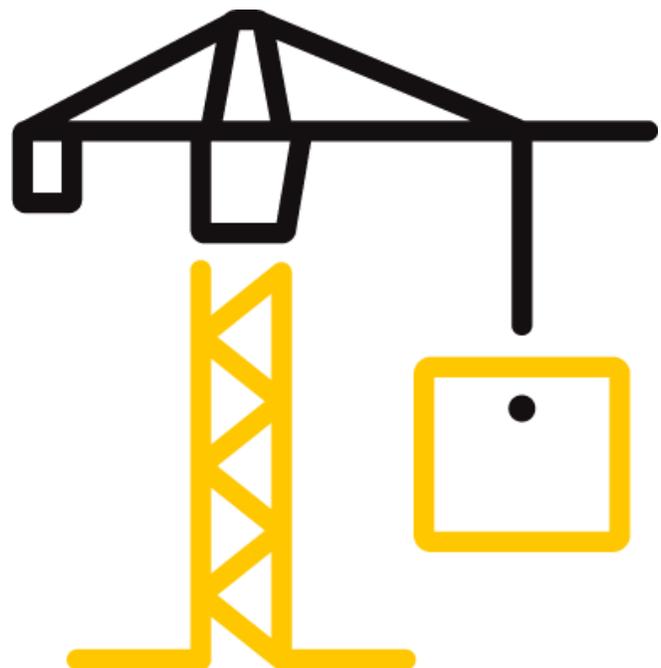
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DOCUMENT CONTROL NUMBER

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

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TEST REPORT FOR ARCONIC ARCHITECTURAL PRODUCTS

Report No.: 104314430MID-001

Date: 04/21/20

REPORT ISSUED TO

ARCONIC ARCHITECTURAL PRODUCTS

50 Industrial Blvd

Eastman, GA 31023

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Arconic Architectural Products LLC, 50 Industrial Blvd, Eastman, GA 31023 to perform testing in accordance with NFPA 259-2018 Edition, Standard Test Method for Potential Heat of Building Materials, on their 3mm Pre-painted Bonded Sheet AS3000B. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at Intertek test facility in Middleton, WI.

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 standard has no specified performance requirements. 3mm Pre-painted Bonded Sheet AS3000B has a Heat of Combustion of 0.00 (Btu/lb), 0.00 (kJ/kg).

For INTERTEK B&C:

COMPLETED BY:	Sandy Osborne	REVIEWED BY:	Bryan Bowman
TITLE:	Lab Technician I	TITLE:	Chemist
SIGNATURE:		SIGNATURE:	
DATE:	04/21/20	DATE:	04/21/20

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SECTION 3

TEST METHOD(S)

The specimen was evaluated in accordance with the following:

NFPA 259- 2018 Edition, *Standard Test Method for Potential Heat of Building Materials*

SECTION 4

MATERIAL SOURCE/INSTALLATION

Sample production was witnessed, and samples were independently selected on December 20, 2019 by Intertek representative Ronald "Jerry" Cole, at the facility, located at 50 Industrial Blvd Eastman, GA 31023. Reference Intertek B&C Test Specimen Selection Report under K3682.04-103-15. Sample was received at the Middleton Evaluation Center on March 27, 2020 in good condition verified by Sample ID# MID2003271055-001.

SECTION 5

EQUIPMENT

EQUIPMENT		
DESCRIPTION - ASSET #:	Parr 1271A Bomb Calorimeter - #1042	VBU: 3/30/2020
DESCRIPTION - ASSET #:	Sartorius Scale - #1084	CALIBRATION DUE: 4/9/2020
DESCRIPTION - ASSET #:	Mitoya 6" Caliper-#1062	CALIBRATION DUE: 7/9/2020
DESCRIPTION - ASSET #:	Furnace -1486	CALIBRATION DUE: NA
DESCRIPTION - ASSET #:	Temp/Humid Reader-Samp Rm-1450	CALIBRATION DUE: 12/12/2020
DESCRIPTION - ASSET #:	Temp/ Humidity Sensor-#1456	CALIBRATION DUE: 4/15/2020
DESCRIPTION - ASSET #:	Digital Thermometer - 701	CALIBRATION DUE: 1/9/2021

SECTION 6

TEST PROCEDURE

Testing was conducted in accordance with Chapter 6-Oxygen Bomb Calorimeter Test Procedure and Chapter 7- Electric Muffle Furnace Procedure of the standard.

SECTION 7

TEST SPECIMEN DESCRIPTION

Sample consisted of one panel approximately 300mm x 300mm x 3mm of a pre-painted double sheet aluminium panel with light grey colored metal on one side and the other side unpainted metal, silver in color.

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SECTION 8 TEST RESULTS

OXYGEN BOMB CALORIMETER					
Specimen	Mass (g)	Post Test Mass (g)	Heat of Combustion (Btu/lb)	Heat of Combustion (HOC) (kJ/Kg)	Difference of Mass (%)
1	0.6038	0.6027	0	0.00	99.82%
2	0.5337	0.5326	0	0.00	99.79%
3	0.6836	0.6824	0	0.00	99.82%
		Average	0.00	0.00	99.81%

Observations: Sample exhibited burning of the painted coating on the aluminium panel and slight separation of the panels, this was not enough to register with the instrument. Sample had the same results when tested with promoter. There is zero Heat of Combustion to report.

SECTION 9 CONCLUSION

The standard has no specified performance requirements. 3mm Pre-painted Bonded Sheet AS3000B has a Heat of Combustion of 0.00 (Btu/lb), 0.00 (kJ/kg).

SECTION 10 REVISION LOG

REVISION #	DATE	PAGES	REVISION
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