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ADVANCED BUILDING TECHNOLOGY, LLC
FIRE TEST REPORT

SCOPE OF WORK
ASTM E2768-11 TESTING ON WALLGUARD ELASTOMERIC EXTERIOR COATING W/ 3M CERAMIC

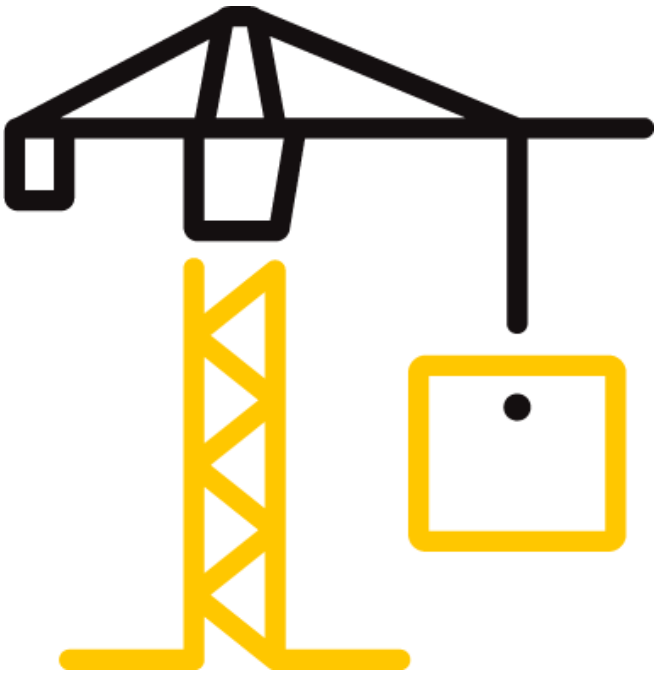
REPORT NUMBER
106167438SAT-001

TEST DATE
04/17/2025

ISSUE DATE
05/02/2025

PAGES
11

DOCUMENT CONTROL NUMBER
RT-R-AMER-Test-2780 (9/19/18)



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TEST REPORT FOR ADVANCED BUILDING TECHNOLOGY, LLC

Report No.: 106167438SAT-001
Date: 05/02/2025

REPORT ISSUED TO

ADVANCED BUILDING TECHNOLOGY, LLC
15915 Wild Horse Dr.
Broomfield, CO 80023
USA

SECTION 1

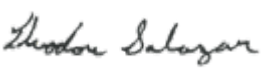
SCOPE

Intertek Building & Construction (B&C) was contracted by ADVANCED BUILDING TECHNOLOGY, LLC to evaluate the flame spread and smoke developed properties of "WALLGUARD ELASTOMERIC EXTERIOR COATING W/ 3M CERAMIC". The test was conducted at the Intertek B&C test facility in Elmendorf, Texas. Results obtained are tested values and were secured by using the designated test method(s). A summary of test results and the complete graphical test data is reported herein.

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.

This report does not constitute performance 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.

For INTERTEK B&C:

COMPLETED BY:	Theodore Salazar	**REVIEWED BY:**	Servando Romo
TITLE:	Technician 3	**TITLE:**	Project Engineer
SIGNATURE:		**SIGNATURE:**	
DATE:	05/02/2025	**DATE:**	05/02/2025

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SECTION 2
SUMMARY OF TEST RESULTS

Specimen I.D.: WALLGUARD ELASTOMERIC EXTERIOR COATING W/ 3M CERAMIC

ASTM E2768-11 Test Results

FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX	MAXIMUM FLAME FRONT (ft.)**
0	0	4.5

*See Section 8 for additional information and commentary. **From the burner centerline

SECTION 3
TEST METHOD

The specimen was evaluated in accordance with the following:

> **ASTM E2768-11,** *Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test)*

SECTION 4
MATERIAL SOURCE/INSTALLATION

The test specimen was submitted to Intertek directly from the client. Samples were not independently selected for testing. Intertek has not verified the composition, manufacturing techniques or quality assurance procedures. The specimen, identified as "WALLGUARD ELASTOMERIC EXTERIOR COATING W/ 3M CERAMIC", was received in good order at the Evaluation Center on 04/11/2025 and given identification number SAT2504111605-001.

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SECTION 5
LIST OF OBSERVERS

NAME	COMPANY
Luis Canales	Intertek B&C

SECTION 6
TEST PROCEDURE

This report describes the results of testing conducted in accordance with ASTM E2768-11 Test for Extended Duration Surface Burning Characteristics of Building Materials; a test method for comparative surface burning behavior extended to a total of 30 minutes. This method uses the same equipment, apparatus, calibration of flame spread index and smoke develop index as test method ASTM E84. The flame spread index is calculated in accordance with ASTM E84 during the first 10 minutes and then extended by 20 minutes to a period of 30 minutes to determine the maximum flame travel from the burner centerline. This standard is based on a modification of Test Method E84 that has been used for many years in provisions in the building codes and related specifications pertaining to fire-retardant-treated wood. Such codes include the International Building Code (IBC) and International Residential Code (IRC) as well as other documents.

> *"The use of supporting materials on the underside of the test specimen may lower the flame spread index from that which might be obtained if the specimen could be tested without such support. This method may not be appropriate for obtaining comparative surface burning behavior of some cellular plastic materials. Testing of materials that melt, drip, or delaminate to such a degree that the continuity of the flame front is destroyed, results in low flame spread indices that do not relate directly to indices obtained by testing materials that remain in place."* – ASTM E84-24 Section 1.4 – 1.5

The purpose of the method is to determine the relative burning behaviour of the material by observing the flame spread along the specimen for a period of 30 minutes. Flame spread and smoke density developed are reported, however, there is not necessarily a relationship between these two measurements.

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SECTION 6 (Continued)
TEST PROCEDURE

It is the expressed intent of the test method to provide only comparative measurements of surface flame spread and smoke density of the tested material against measurements for select grade red oak flooring and fiber-cement board when tested under specific fire exposure conditions. The test method exposes a nominal 24-ft. (7.32-m) long by 20-in. (508-mm) wide test specimen to a controlled air flow and flaming fire exposure adjusted to produce a specific flame spread distance vs. time calibration using select grade red oak flooring.

The test method does not provide information regarding heat transmission through the tested surface, the effect of aggravated flame spread behaviour resulting from the proximity of combustible walls and ceilings, or the classification or definition of materials as non-combustible using flame spread index alone.

The test method has the following conditions of classification for a material or product to be classified as meeting the requirements of this standard:

a.) The flame spread index shall be 25 or less as determined for the initial 10-minute test period.

b.) The maximum flame front shall not progress more than 10.5-ft. (3.2-m) beyond the centerline of the burners at any time during the 30-minute test period. This is considered evidence of no significant progressive combustion in this test method.

This standard should be used to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use.

There were no deviations from the requirements prescribed in ASTM E2768-11.

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SECTION 7
TEST SPECIMEN DESCRIPTION

SPECIMEN I.D.*	WALLGUARD ELASTOMERIC EXTERIOR COATING W/ 3M CERAMIC
SPECIMEN DESCRIPTION*	WallGuard elastomeric exterior coating with 3M ceramic applied at 6 mils thickness on to a substrate of ¼ " thickness Allura Fiber Cement Board - WallGuard applied to FCB
CONDITIONING TIME	7 days
SPECIMEN LENGTH	24 ft. (Samples consisted of (6) 4 ft. long panels)
SPECIMEN WIDTH	24 in.
THICKNESS	0.27 in.
TOTAL WEIGHT	96 lbs.
SIDE TO FLAME*	WallGuard side to flame
SUPPORT USED*	The sample was self-supported.
SPECIMEN SUBSTRATE	¼-in. thick fiber cement board
MOUNTING METHOD	Standard
CEMENT BOARD	¼-in. thick fiber cement board was placed on top of the sample.

*From the client's material description and/or instructions

Note: Specimens were conditioned as per the requirements of Section 6.4 of ASTM E84-24.

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TEST REPORT FOR ADVANCED BUILDING TECHNOLOGY, LLC
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SECTION 8
TEST RESULTS

TEST RESULTS	
Test Date	04/17/2025
Test Operator	Luis Canales
Flame Spread Index (FSI)	0
Smoke Developed Index (SDI)	0

TEST DATA	
FSI (unrounded)	0.0
FS * Time Area (Ft * Min)	0.0
Smoke Area (% * Min)	1.4 (30:00 min test results)
Total Fuel Burned (Cubic Ft.)	129.55
Max Flame Front Advance (Ft.)	0.0 (Measured with the pointer)
Time to Max Flame Front (sec)	0
Max Temp At Exposed T/C (°F)	589
Time To Max Temp (sec)	1800

TEST OBSERVATIONS	
Discoloring	3:37 Minutes: Seconds
Steady Ignition	4:01 Minutes: Seconds
Observations After the Test:	
0 – 3 ft.	Heavily Charred / Bleached
3 – 5 ft.	Heavily Charred
5 – 7 ft.	Charred
7 – 24 ft.	Discolored

SECTION 9
CONCLUSION

This specimen passed the ASTM E2768-11 criteria.

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SECTION 10
PHOTOGRAPHS

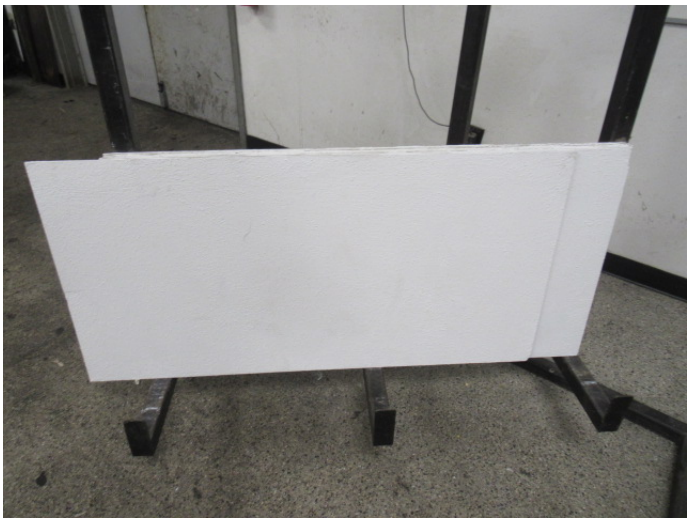

Photo No. 1
Exposed Surface of the Test Specimen (Pre-test)

Photo No. 2
Unexposed Surface of the Test Specimen (Pre-test)

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SECTION 10 (Continued)
PHOTOGRAPH

Photo No. 3
Unexposed Surface of the Test Specimen (Post-test)

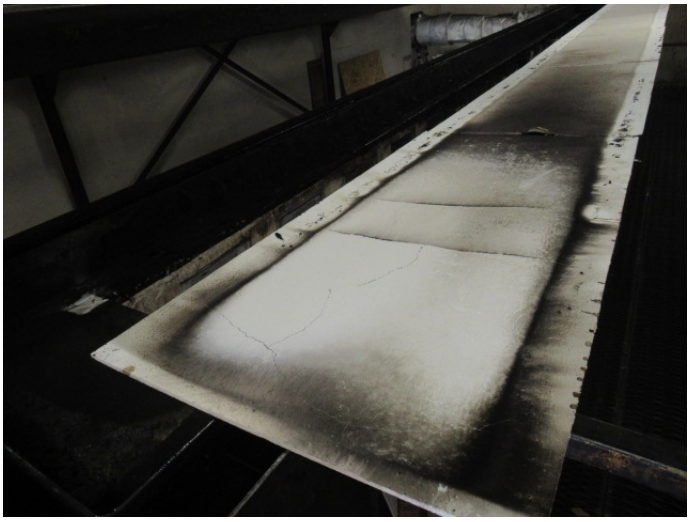

Photo No. 4
Exposed Surface of the Test Specimen (Post-test)

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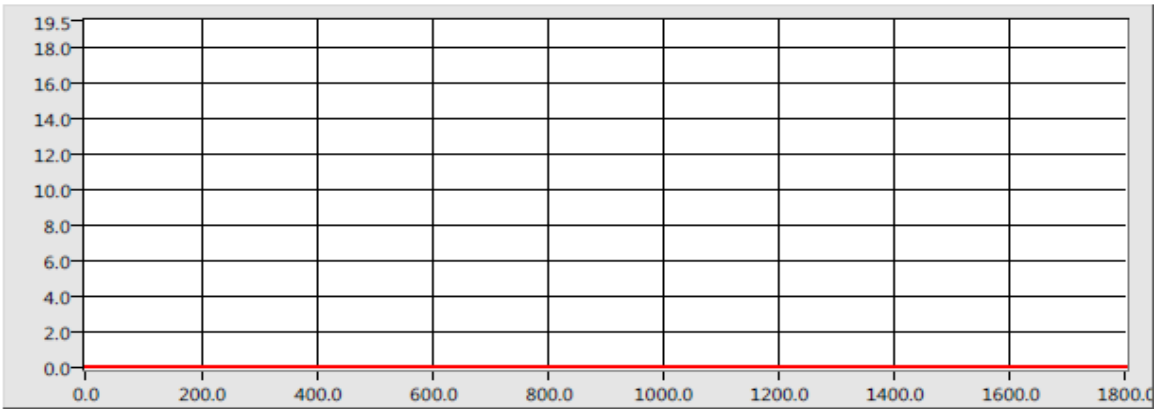
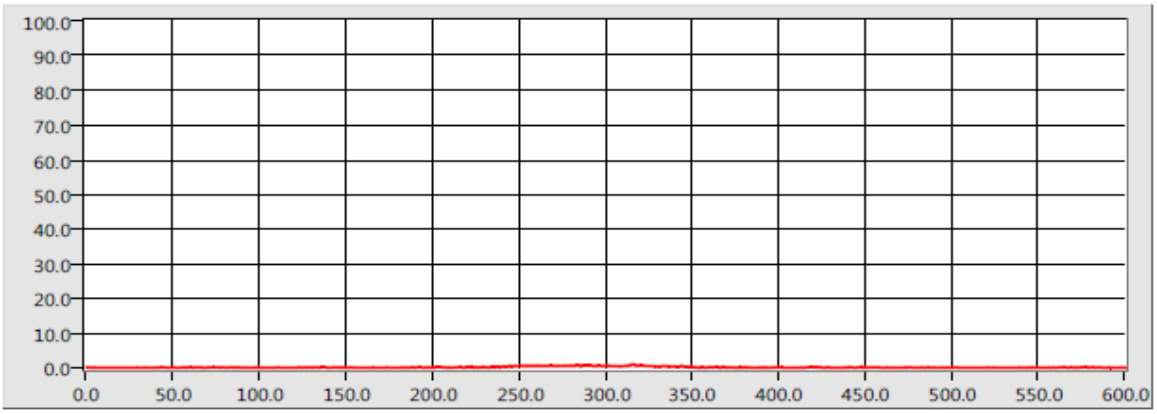
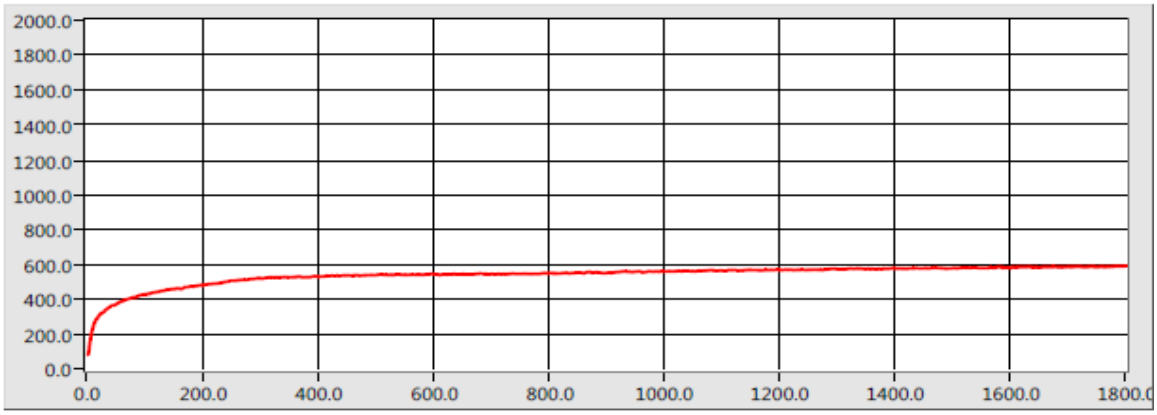
SECTION 11
GRAPHS



Graph No. 1 - Flame Spread Distance (ft) Versus Time (sec)



Graph No. 2 – Light Obscuration (%) Versus Time (sec)



Graph No. 3 – Tunnel Air Temperature (F) Versus Time (sec)

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SECTION 12

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	05/02/2025	N/A	Original Report Issue