



WESTERN FIRE CENTER, INC.

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Fire Testing of Exterior Wall Systems

Investigative testing conducted in accordance with the test methodology described in CSFM 12-7A-1, Materials and construction methods for exterior wildfire exposure – Exterior wall siding and sheathing

Conducted For:

Global LBM
20807 Biscayne Blvd, Suite 305
Aventura, FL 33180

Material:

Nominal 1x6 V-Rustic T&G Maximo Thermo BurnBlock
7/16" OSB Sheathing

WFCi Report #25065a

Test Date: January 20, 2026

Report Issued: March 19, 2026



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INTRODUCTION

The report summarized the California State Fire Marshal (CSFM) testing of an exterior system (Nominal 1x6 V-Rustic T&G Maximo Thermo BurnBlock) for Global LBM (GMX Group) tested at Western Fire Center, Inc. (WFCi). The purpose of this test was to evaluate the fire test performance characteristics of the exterior products in accordance with CSFM 12-7A-1, *Materials and construction methods for exterior wildfire exposure – Exterior wall siding and sheathing*. The standard requires that these tests be performed in triplicate and monitored for burn-through of the assembly.

SUMMARY OF TEST METHOD

Direct flame from a 4"×39" gas sand burner at 150 kW is provided to a 4'×8' exterior wall assembly for a period of 10 min. This test method measures the ability of the sample to resist fire penetration of the material for a 60 min period following direct flame exposure. Assembly dimensions and burner locations are described in Figure 1. Criteria for this test are as follows (as defined in 12-7A-1.11):

1. Absence of flame penetration through the wall assembly
2. Absence of evidence of glowing combustion on the interior surface of the assembly at the end of the 70-minute test.

Qualitative observations were recorded regarding the burning material and fire penetration. An infrared (IR) pyrometer is also used in each test to determine possible hidden combustion and associated temperature changes on the back side of the assembly. Tests are conducted under the WFCi large hood collection assembly at ambient airflow conditions. The burner heat output is verified before each day of testing.

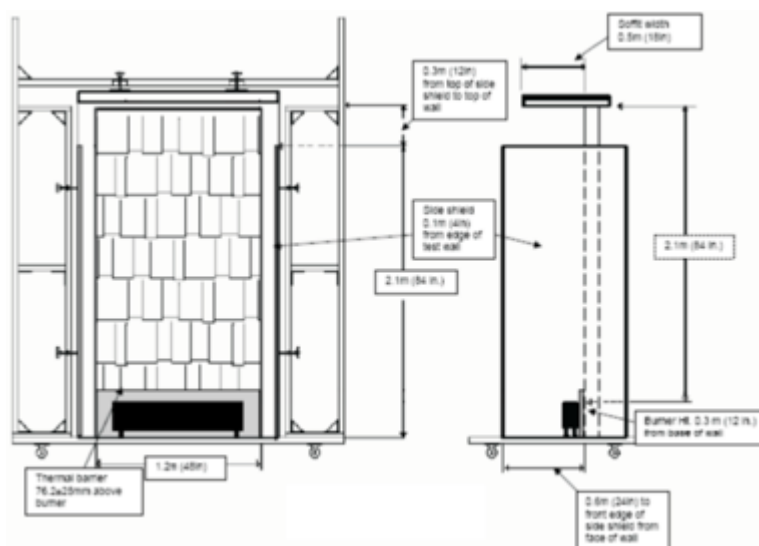


Figure 1. Test assembly showing burner location and wall dimensions.

SAMPLE DESCRIPTION

For testing purposes, a 4'×8' representation of an exterior wall assembly used for the CSFM 12-7A-1 test. Three walls were built (Figure 2), which consisted of a nominal 2×4 wood frame with studs spaced at 16" on center. A layer of 7/16" OSB sheathing was nailed to the studs with 8d nails at 6" on edge and 12" in the field spacing with an 1/8" vertical gap was placed along one of the interior studs. The outer siding consisted of a nominal 1x6 V-Rustic T&G Maximo Thermo BurnBlock, fastened horizontally to the sheathing with a tight vertical gap, with one stainless steel pin nail at 45° into the tongue.

Based on the results of this particular profile, the data can be extended to other similar profiles as will be discussed in the conclusion.

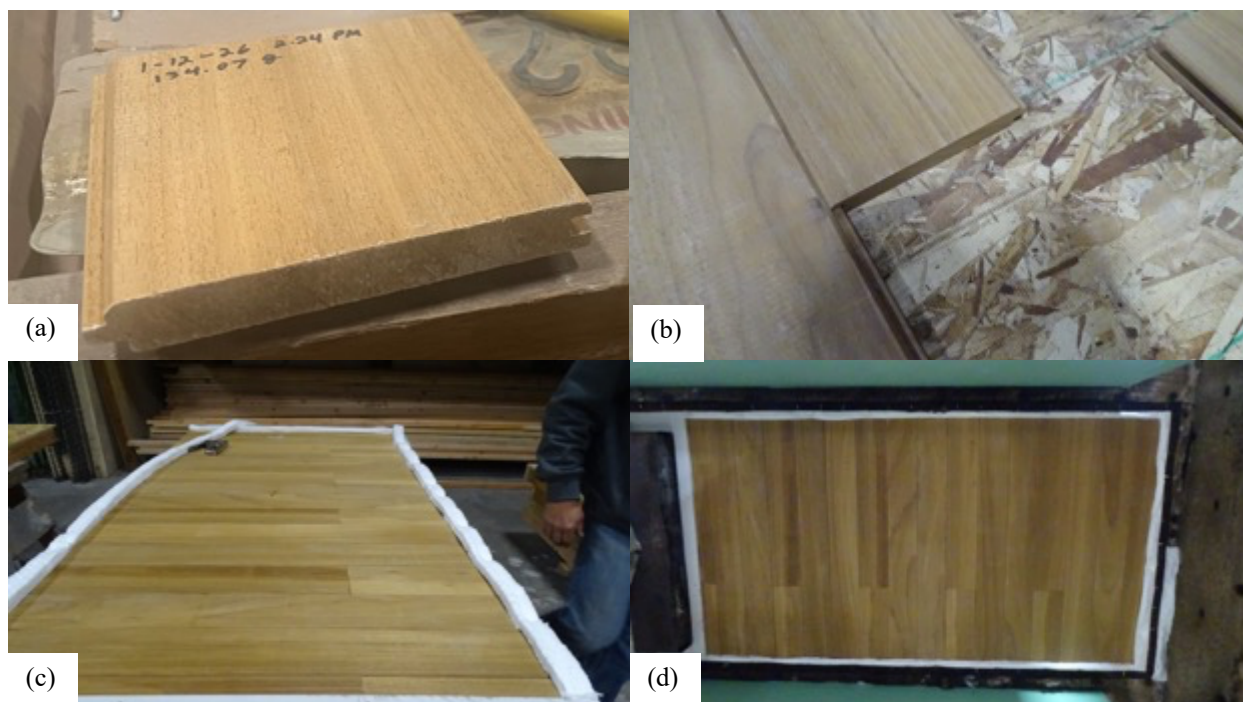


Figure 2. Wall system showing (a) profile, (b) horizontal gap, (c) wall, and (d) complete assembly.

The siding was received by WFCi on January 12, 2026. The siding was conditioned at 70°F and 50% RH until the mass of the material stopped changing. The moisture content of the siding was measured to be 9.1%. The sides of the assembly were protected with 1" Kaowool around the perimeter of the when fit within the sample holder. WFCi did not select the sample components and has not verified the manufacturing techniques or accuracy of the products and labeling. A chain of custody document provided by the client is shown in APPENDIX A: CHAIN OF CUSTODY.

TEST RESULTS

Testing was performed on January 20, 2026 with heat source verification (152.4 ± 3.0 kW) performed before testing on that day.

A typical test had initial flaming along the face, but not up to the full height of the wall. The flames self-extinguished after the burner was turned off. During the observation period, glowing on the face continued for a period of time before also self-extinguishing. If no signs of combustion were observed on the sample and the unexposed temperature was below 100°C and decreasing, the test was terminated prior to the 60 min observation time. At the end of the observation period, there were no signs of combustion (flaming, glowing, smoking) observed on the backside of the wall. Individual observations are included in the tables below for each test; photographs are included in the figures below.

Test 1

Nominal 1x6 V-Rustic T&G Maximo Thermo BurnBlock: **Passed**

Test Date & Time: January 20, 2026 – 10:00 AM (14°C, 33% RH)

Table 1. Observations for Test 1.

Test Time (mm:ss)	Event	Test Time (mm:ss)	Event
00:00	Start test – 150 kW burner on	00:15	Charring at 1' above burner
00:35	Charring halfway up wall	03:15	Charring up ¾ of wall
10:00	Burner off – flames out – still glowing on face	10:40	IR 66°C (maximum backside)
14:00	IR 54°C	22:00	IR 58°C
39:15	IR 48°C	45:00	IR 44°C
50:00	Terminate test – no signs of combustion on sample – IR 41°C – Passed		

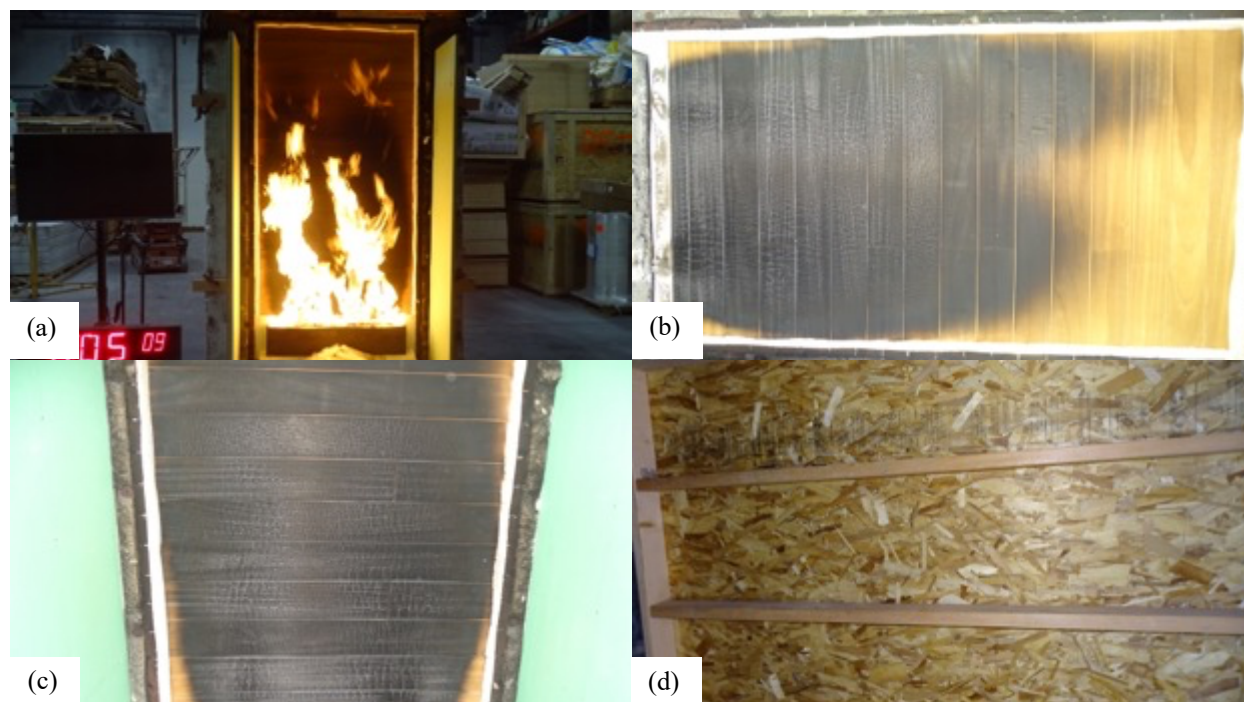


Figure 2. Test 1 showing (a) flames up face, (b) burner off, and (c) face after test, and (d) backside after test.

Test 2Nominal 1x6 V-Rustic T&G Maximo Thermo BurnBlock: **Passed**

Test Date & Time: January 20, 2026 – 11:05 AM (14°C, 33% RH)

Table 2. Observations for Test 2.

Test Time (mm:ss)	Event	Test Time (mm:ss)	Event
00:00	Start test – 150 kW burner on	00:30	Charring 3' up wall
05:25	Charring about ¾ up wall	10:00	Burner off – flames approximately 10 s after burner turned off
11:05	IR 50°C (maximum backside)	14:00	IR 58°C
20:00	IR 61°C	36:00	IR 51°C
40:00	IR 47°C	45:00	IR 45°C – terminate test – no signs of combustion – Passed

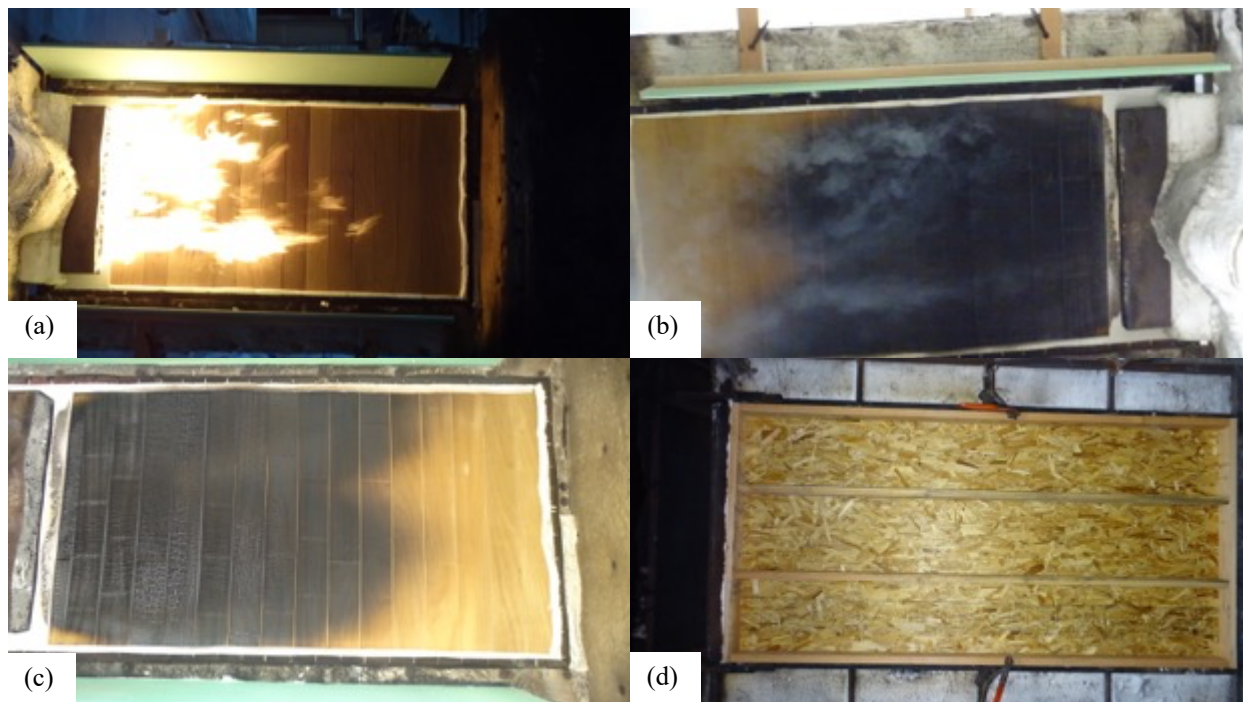


Figure 3. Test 2 showing (a) burner on, (b) burner off, (c) burner off, and (d) after test.

Test 3Nominal 1x6 V-Rustic T&G Maximo Thermo BurnBlock: **Passed**

Test Date & Time: January 20, 2026 – 1:30 PM (15°C, 33% RH)

Table 4. Observations for Test 3.

Test Time (mm:ss)	Event	Test Time (mm:ss)	Event
00:00	Start test – 150 kW burner on	01:30	Charring halfway up wall
05:30	No significant change	10:00	Burner off
11:30	IR 53°C (maximum backside)	13:00	IR 57°C
17:00	IR 61°C	24:20	IR 60°C
30:00	IR 55°C – terminate test – no signs of combustion – Passed		

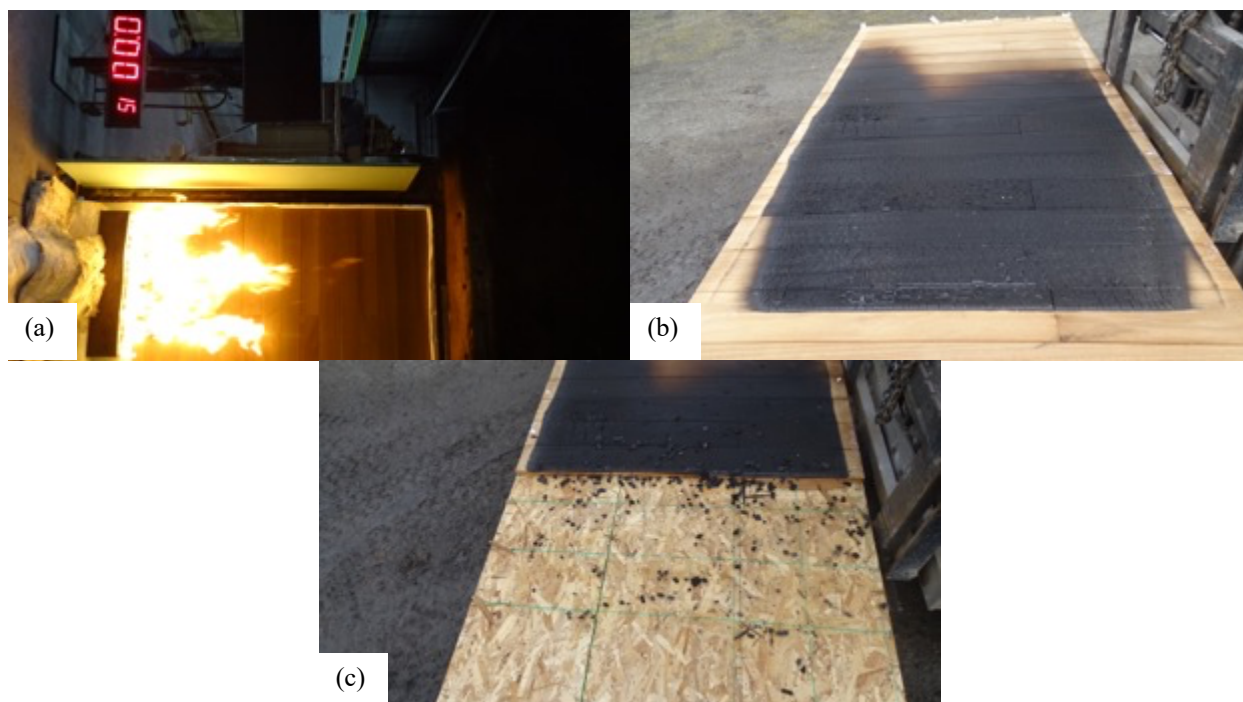


Figure 4. Test 3 showing (a) burner on, (b) face after test, (c) removed siding.

CONCLUSION

The sample exterior walls (Nominal 1x6 V-Rustic T&G Maximo Thermo BurnBlock, $\frac{7}{16}$ " OSB sheathing) as described above in this report met the criteria for CSFM 12-7A-1 for wall assemblies. Three replicate test results fulfill requirements of Chapter 7A of the California Building Code. It should be noted that the siding was in the horizontal orientation with $\frac{7}{16}$ " OSB sheathing; the vertical orientation was not tested.

A board with a wider/taller profile will have an overall better performance because there are fewer joints along the total length of the wall. Therefore, the nominal 1x6 that passed this test series will extend wider boards (e.g., 1x8, 1x10).

SIGNATURES

Testing performed by,



Brent M. Pickett, Ph.D.

Technical Director

Reviewed and approved by,



Mike White

Laboratory Manager

WESTERN FIRE CENTER AUTHORIZES THE CLIENT NAMED HEREIN TO
REPRODUCE THIS REPORT ONLY IF REPRODUCED IN ITS ENTIRETY

This decision was determined by simple acceptance to the requirements in the standard. Fire performance uncertainty is estimated to be 3% of the reported value.

The test specimen identification is as provided by the client and WFCi accepts no responsibilities for any inaccuracies therein. WFCi did not select the specimen and has not verified the composition, manufacturing techniques or quality assurance procedures.

Version	Date Issued	Document Number	Changes
Original	March 19, 2026	25065a	Original report

APPENDIX A: CHAIN OF CUSTODY

3. SAMPLE DETAILS

MATERIAL INSPECTION REPORT

Report Number: MIR-2026-001

Date of Inspection: December 16th 2025

Inspector Name: Alex Nunes

Company: GLOBAL LBM LLC

1. SHIPMENT INFORMATION

Field	Details
Recipient Lab:	Western Fire - Western Fire Center, Inc. 2204 Parrott Way Kelso, WA 98626 +13604231400
Date Shipped:	Monday, Jan 12th 2026
Shipping Method:	BEDROCK LOGISTICS LLC - Shipment ID#: 127106193
Date Received by Lab:	Monday, January 12th 2026
Purchase Order/Reference #:	251030

2. MATERIAL IDENTIFICATION

Field	Details
Product Name:	Maximo Thermo Ayous by Novawood
Batch/Lot Number:	3404543
Bundle #:	11

3. SAMPLE DETAILS

Sample ID	Description	Quantity	Unit	Weight/Volume	Condition
Sample A-001	[Description]	[7]	[kg/L/pcs]	[1x6x9']	[Good/Fair/Poor]
Sample A-002	[Description]	[7]	[kg/L/pcs]	[1x6x9']	[Good/Fair/Poor]
Sample A-003	[Description]	[7]	[kg/L/pcs]	[1x6x9']	[Good/Fair/Poor]
Sample A-004	[Description]	[7]	[kg/L/pcs]	[1x6x9']	[Good/Fair/Poor]
Sample A-005	[Description]	[7]	[kg/L/pcs]	[1x6x9']	[Good/Fair/Poor]

Total Samples Sent: 35 Samples of 9' Maximo Thermo Ayous by Novawood

5. VISUAL INSPECTION FINDINGS

5.1 Overall Condition:

- ☐ Excellent
☒ Good
☐ Fair
☐ Poor

5.3 Packaging Condition:

- Bundle seen below selected for Testing:





Images of elected packages for testing:



8. TESTING REQUIREMENTS

Tests Requested:

QN090525_12-7A-1 – Fire testing of exterior wall products

I hereby certify that the information provided in this inspection report is accurate and complete to the best of my knowledge.

Inspector Signature:

Name: Alex Costa