



## ENGINEERING EVALUATION REPORT

Issued Date	2024-12-03
Expiry Date	2025-12-31
Report Number	0098-15-1-6037
Client	Nichiha USA
Address	6465 East Johns Crossing, Suite 250 Johns Creek

### SUBJECT

**NichiProducts Siding and Soffit ignition-resistance testing results.**

### TEST SUMMARY

NichiProducts samples have been tested in accordance with ASTM E2768, *Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test)* at Intertek Building & Construction (B&C) in Coquitlam, BC. Intertek is an accredited laboratory by International Accreditation Service (IAS).

### PRODUCT DESCRIPTION

NichiProducts exterior wall claddings are Fiber-cement panels manufactured from a pressed, stamped, and autoclaved mix of cement, silica, and organic fibers. The surface is pre-finished with a variety of colors and textures. Wall claddings and soffits are installed on the exterior of buildings.

NichiBoard  $\frac{5}{16}$ " thick, 5  $\frac{1}{4}$ " , 6  $\frac{1}{4}$ " , 7  $\frac{1}{4}$ " , 8  $\frac{1}{4}$ " , 9  $\frac{1}{4}$ " , 12" x 12'.

NichiPanel  $\frac{5}{16}$ " thick, sizes: 4' x 8', 10', 12' and 16" x 12'.

NichiShake  $\frac{5}{16}$ " thick, 6  $\frac{1}{4}$ " , 8  $\frac{1}{4}$ " , 12" x 18".

NichiSoffit  $\frac{1}{4}$ " thick, non vented: 12' x 12" and 16", 8' x 24" and 48", vented: 12' x 12" and 16", 8' x 24".

NichiStaggered and NichiStraight,  $\frac{5}{16}$ " thick, 16" x 4'.

### TEST RESULTS

**Table 1: NichiProducts – ASTM E2768-11 (2018) Test Results**

Flame Spread Index			
	Result <sup>1</sup>	Requirement	Compliance
Frontside	0	≤25	Pass
Backside			
Maximum Flame Front after 30- minutes (ft)			
	Result <sup>1</sup>	Requirement	Compliance
Frontside	4 $\frac{1}{2}$	≤10.5	Pass
Backside			

1. Panel products tested with 1/8" longitudinal gap.

The test results meet the definition of *Ignition-resistant materials* in the 2022 California Building Code (CBC) Section 704A.3, and 2024 International Wildland Urban Interface Code (I-WUI) Section 503.2.



### Manufacturing Plants, Labeling and Quality Assurance

The products evaluated in this report are sampled at the approved manufacturing locations: Macon, GA USA, with third-party quality assurance inspections and product certification labeling by Intertek. Labeling shall be in accordance with the requirements of the CBC and IWUI, and the Accredited Quality Assurance Agency.

### SOURCE DOCUMENTS

The published versions of the following sources, current on the date of this evaluation, were used as reference material to support the conclusions made:

1. NichiProducts ASTM E2768 test results: Intertek Building & Construction (B&C) Report No. 105863935COQ-001C R0, No. 105863935COQ-001D R0, dated September 17th, 2024.

### SIGNED

This report has been prepared and reviewed on behalf of BOCA by:

Chris Bowness, P.Eng., P.E.

2024-12-04

Issue Date

2025-12-31

Expiry Date



### EVALUATION REPORT TERMS:

1. This report is a general evaluation of the building code sections and/or standards requirements as identified and applies only to the samples that were evaluated. It does not imply any endorsement or warranty, nor that the signatory Engineer is the Designer of Record of any construction project for which the information is used.
2. This Evaluation Report expires Dec. 31, 2025, open to renewal. Up to the renewal date, the report is valid until such time as the named product(s) changes, the Quality Assurance Agency changes, or provisions of the Code that relate to the product change.

### CERTIFICATION OF INDEPENDENCE:

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