



# Evaluation Service

CERTIFICATION PROGRAM

AUTHORIZATION FOR PRODUCT CERTIFICATION

Fiber Composites LLC  
181 Random Drive  
New London, NC 28127  
800-573-8841  
[www.fiberondecking.com](http://www.fiberondecking.com)

Attn: Rick Lappin

The Product described below has been evaluated against the 2020 Florida Building Code and has been updated in the **ICC Pei LLC** Florida Product Directory. The approval is based on evaluating relevant testing documentation, accompanied by related drawings for the subject product noted below. Independent third party auditing services and Third party evaluation services conducted by **ICC Pei LLC**, an ISO 17065 Accreditation Body.

1. The Product Evaluation report known as PER-17111 can be found on the following website link: [www.p-e-i.com/documents/FiberonCompositeCladding.pdf](http://www.p-e-i.com/documents/FiberonCompositeCladding.pdf)

RECORD OF PRODUCT TESTING				
COMPANY	Product Category	SERIES MODEL & PRODUCT DESCRIPTION	PRODUCT COMPLIANCE	
Fiber Composites LLC	Panel Walls (Siding)	Fiberon Composite Cladding	ASTM E84	2016
			ASTM E330	2014
			ASTM D7032	2017
			ASTM G154	2012A
			TAS 201	1994
			TAS 202	1994
			TAS 203	1994

2. This Certification report will expire on **September 17, 2022** and requires on-going third party validation by an accredited evaluation service.

3. Product Tested by: *Progressive Engineering Inc.*, Intertek,

4. Product Reported by: **Pei Evaluation Service, LLC**

5. The product described is designed and manufactured to comply with the requirements of the Florida Building Code. See [www.p-e-i.com/reports.html](http://www.p-e-i.com/reports.html) for the approved product installation guidelines as tested by Progressive Engineering Inc. and Intertek Building and Construction Product certification compliance only pertains to the assemblies and actual material tested.

Authorized for Certification



Dated: September 17, 2021

58640 State Road 15 - Goshen, IN 46528  
Phone: 574-533-0337 - [www.p-e-i.com](http://www.p-e-i.com)



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## Compliance - Evidence Submitted

### 1. Test Reports for :

- a. Standard Test Method for Surface Burning Characteristics of Building Materials - ASTM E84
- b. Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls & Doors by Uniform Static Air Pressure Difference - ASTM E330
- c. Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails) - ASTM D7032
- d. Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Non-Metallic Materials - ASTM G154

### 2. Review of Test Standards

The following test standards were reviewed and compared to determine if there were substantial procedural changes between the original test standard and the current test standard. Based on our review, the procedures specified by the original test standard and current test standards listed have remained equivalent. The changes that were made do not affect the compliance of the products tested and noted in this compliance certificate.

#### Florida Building Code

ASTM D7032 (2014)

ASTM G154 (2012A)

#### Current Test Standard

ASTM D7032 (2017)

ASTM G154 (2016)

### 3. Quality Assurance:

**ICC Pei LLC**

### 4. Florida Building Code Statements

This Certificate of Compliance is being issued Per Rule Chapter 61G20-3 Section 61G20-3.005 of the Florida Department of Business & Professional Regulation. As the product certification entity, we certify that the product is in compliance with the requirements of the 2020 Florida Building Code.

### 5. Limits of Use

- Cladding products must be installed over an approved water-resistive barrier that comply with Section 1403.5 of the 2020 FBC.
- These products shall not be used as structural or framing members.
- Product is to be installed only where the product assemblies listed meet or exceed the local wind speed and are in conformance with the 2020 FBC installation requirements.
- Product is not to be used a nail base. Mechanical attachment of Exterior Claddings must be made directly to the framing.
- All flashing shall meet Section 1405.4 of the 2020 FBC.
- For use only where combustible materials are permitted by the building code.
- Fiberon Wildwood and Fiberon Concordia Claddings must be stored in a level manner, properly supported at a minimum of every 2-ft o.c. Storing the product in a location with a temperature comparable to the installation environment will reduce temperature acclimation time.



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### 5. Limits of Use continued.

- Fiberon Wildwood Claddings and Concordia Cladding shall be installed in accordance with the Fiberon Cladding Installation Instructions. A copy of the manufacturer's Installation Instructions shall be made easily available to the installer.
- Fiberon Wildwood & Concordia Claddings for open joint applications, 1x6, 1x8 and 1x12 claddings can be installed horizontally, vertically or diagonally up to 45° with a maximum gap of 3/16" between pieces and attached by face screws. Approved fasteners shall be a minimum of #9 x 2-1/2-in long composite deck screws with two (2) screws located at 12" o.c. for the diagonal orientation, all others are 16" o.c. See Figures 6,7,12 & 13 for open-joint applications fastening details in this PER.

- Suitability of the exterior wall envelope is subject to the approval of the building official and is outside the scope of this report.

The independent certifier is not responsible for any product warranty, either expressed or implied. The certification only pertains to the assemblies and actual material tested.

Independent product evaluator is not responsible for any product warranty, either expressed or implied.

Independent product evaluators' liability shall not exceed the amount required to produce this report.

The engineers of record for each specific project is responsible for specifying appropriate use and application of the product tested.

We affirm that the installation instructions as uploaded comply with the evaluation reports as written.

### 6. Code Compliance

Product meets the 2020 Florida Building Code for the standards evaluated.

### 7. Product Descriptions:

**Fiberon Wildwood & Concordia Cladding** are manufactured with a polyethylene (PE) blend and wood fiber core with a high density polyethylene (HDPE) cap stock are used for open joint applications. These Exterior Decorative Facade products are manufactured in a 6", 7.25" and 11.25" width by 0.750" (nominal) thickness (Wildwood) or 15/16" thickness (Concordia) and must be installed over an approved weather resistive barrier system. These products are available in lengths of 12-ft (all widths) and 16-ft, and 20-ft. for 6" widths Approved colors are described on page 3 of this PER.

Fiberon Claddings have been tested and evaluated in accordance with the requirements of the building codes and standards as referenced throughout this Certification document.



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## 7. Approved Products

**Table 1 - Fiberon Composite Cladding - Description Summary**

Approved Products	Approved Installation	Material/Process	Sides w/ Cap Stock
Fiberon Concordia Composite Cladding for <b>open joint</b> applications	Vertical, Horizontal or Diagonal	Coextruded with a PE Blend of LDPE and HDPE / wood core and HDPE capstock	4 sides
			4 sides
Fiberon Wildwood Cladding	Vertical, Horizontal or Diagonal		3 sides
			3 sides
		3 sides	

## 8. HVHZ Compliance (TAS Testing)

**Table 2 - Allowable Design Pressure in Accordance with TAS 202 & 203<sup>1,2</sup>**

Fastener Description	Material Orientation	Wood Framing	Allowable Design Pressure <sup>3</sup> (psf)
#9 x 2-1/2-in long Composite Deck Screw	Cladding Horizontal	16" o.c.	(+/-) 120
#9 x 2-1/2-in long Composite Deck Screw	1x, Horizontal	16" o.c.	(+/-) 115
#10 x 2-in long Flat-head screws	Cladding Horizontal	16" o.c.	(+/-) 120
#10 x 2-in long Flat-head screws	1x, Horizontal	16" o.c.	(+/-) 115

**Notes:**

1. Framing of SPF with a minimum Specific Gravity of .42
2. Minimum fastener head diameter of .26" to be used
3. Allowable design pressure is based on tested values using a safety factor of 1.5



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## 9. Wind Components and Cladding Allowable Design Pressure

**Table 3 - Wind Components & Cladding Allowable Design Pressure<sup>1,2</sup>**

Cladding	Fastener Description	Cladding Orientation	Wall Framing	Furring Strip Spacing	Allowable Design Pressure <sup>3</sup> (psf)
Fiberon Concordia Composite Cladding for <b>open joint</b> applications	#9 x 2-1/2-in long Composite Deck Screw	Horizontal	16" o.c.	16" o.c.	(+/-) 176
		Vertical	16" o.c.	16" o.c.	(+/-) 141
		Diagonal	16" o.c.	12" o.c.	(+/-) 133
Fiberon Wildwood Cladding (1x6 & 1x8 Nominal)		Horizontal	16" o.c.	16" o.c.	(+/-) 126
		Vertical	16" o.c.	16" o.c.	(+/-) 92
		Diagonal	16" o.c.	12" o.c.	(+/-) 87
Fiberon Wildwood Cladding (1x12 Nominal)		Horizontal	16" o.c.	16" o.c.	(+/-) 99
		Vertical	16" o.c.	16" o.c.	(+/-) 92
		Diagonal	16" o.c.	12" o.c.	(+/-) 87

**Notes:**

1. Framing of SPF with a minimum Specific Gravity of .42
2. Minimum fastener head diameter of .26" to be used
3. Allowable design pressure is based on tested values using a safety factor of 2.5
4. Sheathing - A minimum of 7/16" OSB rated sheathing.



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## 10. Figures and Approved Colors

Figure 1 - Fiberon Concordia Cladding for open joint applications

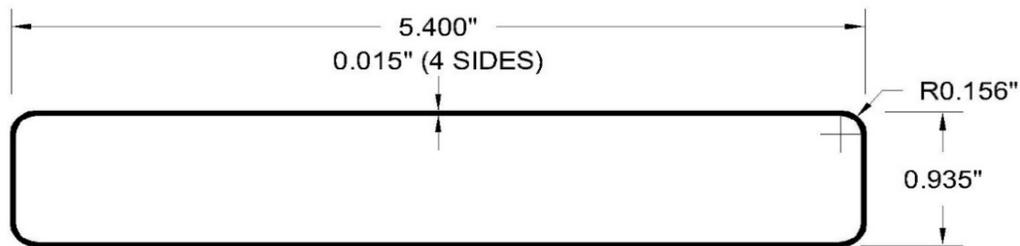


Figure 2 - Fiberon Wildwood Cladding (1x6, 1x8 & 1x12) and Concordia Cladding (1x8 & 1x12)

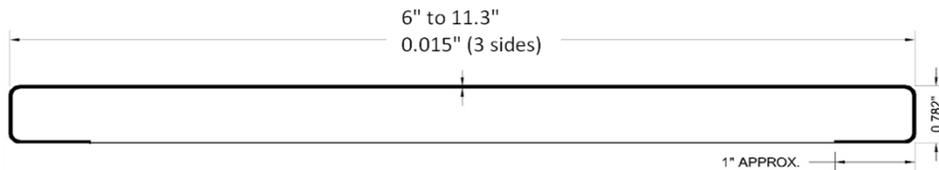


Figure 3 - Approved Colors for all Wildwood Cladding Products

Wildwood Eden Collection



Tupelo

Meranti

Koa

Mora

Wenge

Wildwood Sahara Collection



Mulga

Palo

Sumac



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## 10. Figures and Approved Colors continued

Figure 4 - Approved Colors for Concordia Cladding Products

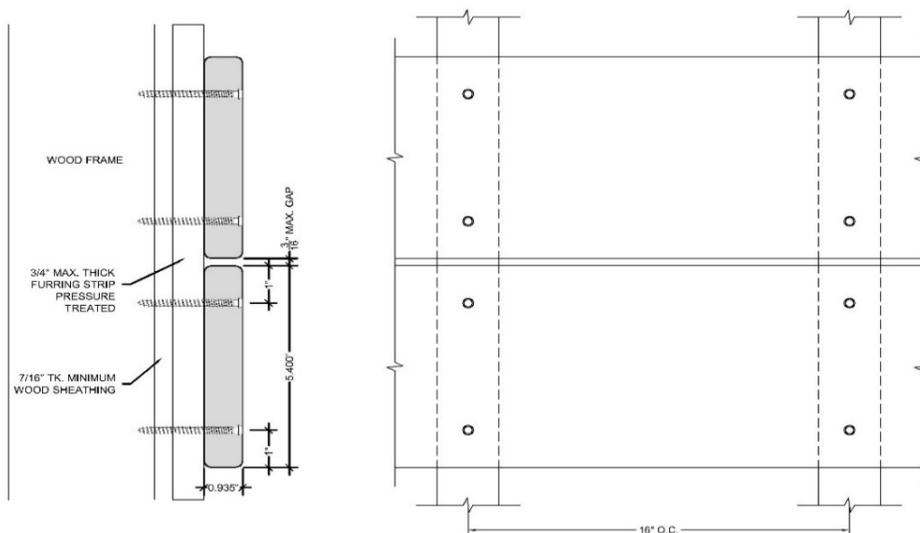
Concordia Symmetry Collection



Concordia Horizon Collection



Figure 5 - Fastening Illustration only-open joint Horizontal Application





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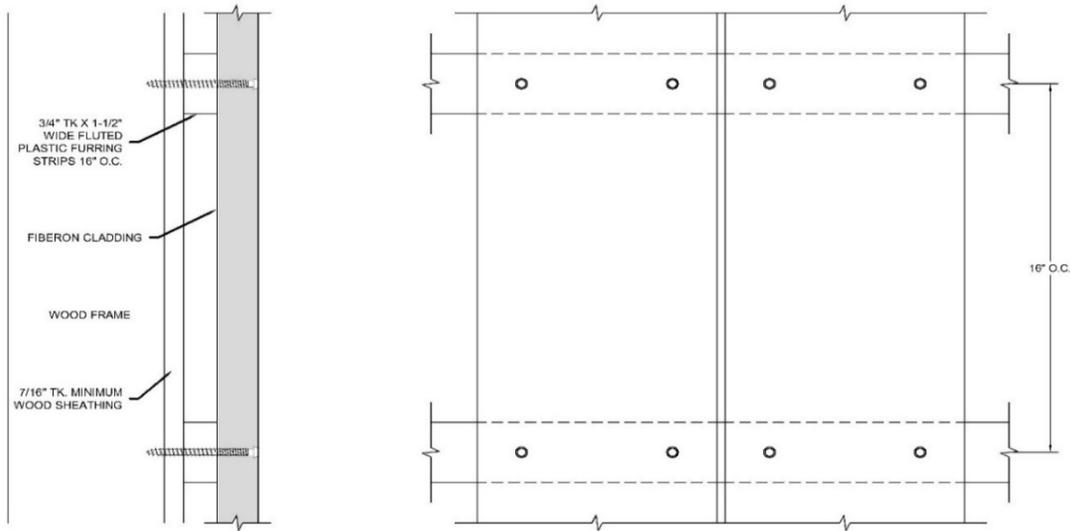
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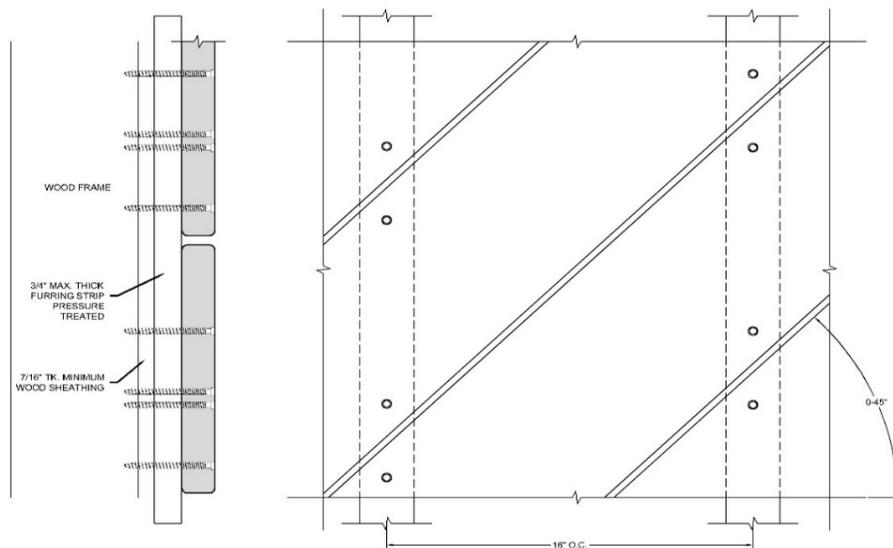
Compliance - Evidence Submitted

## 10. Figures and Approved Colors continued

**Figure 6 - Fastening Illustration only-open joint Vertical Application**



**Figure 7 - Fastening Illustration only- open-joint Diagonal Application**





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## 10. Figures and Approved Colors continued

**Figure 8 - Fastening Illustration only- open-joint Diagonal Application**

