



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

## Product Evaluation Report

*of*

**JELD-WEN, inc.  
MiraTEC Treated Exterior Composite Trim  
(Non-HVHZ) (Non-Impact)**

*for*

**Florida Product Approval**

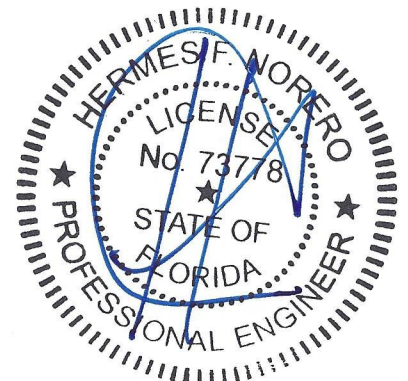
**Report No. 8361**

**Current Florida Building Code**

<b>Method:</b>	<b>1 – D (Engineering Evaluation)</b>
<b>Category:</b>	<b>Structural Components</b>
<b>Sub – Category:</b>	<b>Structural Wall</b>
<b>Product:</b>	<b>MiraTEC Treated Exterior Composite Trim</b>
<b>Material:</b>	<b>Engineered Wood Composite</b>

**Prepared for:**  
**JELD-WEN, inc.**  
**3737 Lakeport Blvd.**  
**Klamath Falls, OR. 97601**

**Prepared by:**  
**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 02/20/2023



Contents:  
Evaluation Report      Pages 1 – 4

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**Manufacturer:** JELD-WEN, inc.

**Product Category:** Structural Components

**Product Sub-Category:** Structural Wall

**Compliance Method:** State Product Approval Method (1)(d)

**Product Name:** **MiraTEC Treated Exterior Composite Trim  
(Non-HVHZ) (Non-Impact)**

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **JELD-WEN inc.** based on Method 1d of the State of Florida Product Approval, Department of Business and Professional Regulation.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Current Florida Building Code.

See Manufacture Installation Instructions **MIRATEC**, for specific use parameters.

**Limits of Use:**

1. This product has been evaluated and is in compliance with the Current Florida Building Code, **excluding** the “High Velocity Hurricane Zone” (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the Current Florida Building Code and **does not** meet impact resistant covering requirements, therefore it should be installed as a wall covering on a wall construction which satisfies impact resistance requirements.
4. Site conditions that deviate from the details of drawing **MIRATEC** require further engineering analysis by a licensed engineer or registered architect.
5. See Manufacture Installation Instructions **MIRATEC** for size and design pressure limitations.

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**Quality Assurance:** The manufacturer has demonstrated compliance of building products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Timber Products Inspection, Inc.** (FBC Organization # QUA1963)

**Performance Standards:** The product described herein has been evaluated and in compliance per:

- ASTM D1929-16

**Referenced Data:**

1. Product Testing performed by **QAI Laboratories Inc.**  
(FBC Organization # TST9808)  
Report #: RJ5275F-1, Report Date: 02/02/2017
2. **ICC Evaluation Service – ICC ES Report**  
(FBC Organization # EVL2396)  
Report #: ESR-3043
3. Quality Assurance  
**Timber Products Inspection, Inc.**  
(FBC Organization #: QUA1963)

**Equivalence of Test Standards:**

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. JELD-WEN, inc. has tested their products to the following test standard edition(s):

- 1) ASTM D1929-96

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

- 1) ASTM D1929-16

After review of the above mentioned referenced standards and editions, it has been found that no significant technical changes have been made to the test standards that would affect the results. All referenced standards have been found to be equivalent.

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**Installation / Design Pressure:**

Trim Width (in)	Number of Fasteners	Fastener Spacing (in)	Max. Allowable Load (psf)	Maximum Wind Speed (mph)		
				Wind Exposure Category		
				B	C	D
2	1	24	94	180	160	150
		16	141	180	180	180
3	1	24	68	170	150	130
		16	103	180	170	150
4	1	24	54	140	120	115
		16	81	160	140	130
5	2	24	84	170	140	130
		16	126	160	160	150
6	2	24	68	170	150	130
		16	103	180	170	150
8	2	24	52	150	130	120
		16	78	170	150	130
10	2	24	40	130	N/A	N/A
		16	61	150	130	120
	3	24	61	150	130	120
		16	92	180	160	150
12	2	24	33	115	N/A	N/A
		16	50	130	110	110
	3	24	50	130	110	110
		16	75	160	130	120
16	2	24	24	N/A	N/A	N/A
		16	36	110	N/A	N/A
	3	24	36	110	N/A	N/A
		16	54	140	120	115

1. Fasteners must have minimum head diameter of 0.28 inch, a minimum shaft diameter of 0.13 inch, and a minimum length of 2.5 inches (8d common nail).
2. Wall framing must have minimum specific gravity of 0.42.
3. Three-second gust; based on a building height of 50 feet and an occupancy category II in accordance with ASCE 7-16, Section 26.1.2.2.

Refer to Manufacture Installation Instructions (**MIRATEC**) for further installation details, anchor spacing, and limitations of use.