R W B C

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Registry License No. 9813

Product Evaluation Report

Report No.: ***FL-25610.12***

Date: ***July 7, 2023***

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	**Exterior Doors Components**	**Endura Products** **8811 West Market Street** **Colfax, NC 27235** **Phone: 336.665.4052**	**"FusionFrame"** **Continuous Head & Sill Frame System** **Inswing / Outswing** **"Impact"**

Scope: Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for Endura Products, based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Dept. of Business & Professional Regulation.

RW Building Consultants and Lyndon F. Schmidt, P.E. do 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.

Limitations:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone".
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ", this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. This "IMPACT" door jamb, mullion, weatherstripping and thresholds, as components, are to be used in combination as a substitute for similar components in an impact approved continuous head & sill (complies with Section 1626 of the FBC) door system possessing a current Florida Statewide Product Approval (Including the "HVHZ").
5. The design pressure of the assembly shall be the lesser of the design pressure for the component assembly shown in this approval or the design pressure of the component assembly used in conjunction with this approval.
6. The maximum frame size of the door assembly shall be the lesser of the maximum frame size stated in this approval or the maximum frame size of the door assembly approval used in conjunction with this approval.
7. Refer to the separate Florida Product Approval for the swing door used in conjunction with this component approval to determine the ability of the system to meet the water infiltration requirements for the "HVHZ".
8. Air and water infiltration qualifications to be reviewed by the Building Official.
9. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
10. Site conditions that deviate from the details of drawing FL-25610.12 require further engineering analysis by a licensed engineer or registered architect
11. See drawing FL-25610.12 for size and design pressure limitations.

Supporting Documents:

1.

Test Report No.	Test Standard	Testing Laboratory	Signed by
TEL 03852238	TAS 201, 202, 203-94	Testing Evaluation Laboratory	Lyndon F. Schmidt, P.E.
TEL 03852098A & 99A	ASTM D 635-10	Testing Evaluation Laboratory	Lyndon F. Schmidt, P.E.
TEL 03852098B & 99B	ASTM D 2843-10	Testing Evaluation Laboratory	Lyndon F. Schmidt, P.E.
TEL 03852098C & 99C	ASTM D 1929-12	Testing Evaluation Laboratory	Lyndon F. Schmidt, P.E.
TEL 03852098D & 99D	ASTM G 155-05a & ASTM D 638-03	Testing Evaluation Laboratory	Lyndon F. Schmidt, P.E.
TEL 03852293	TAS 201, 202, 203-94	Testing Evaluation Laboratory	William B. Shelton, P.E.

2.

Drawing No.	Prepared by	Signed & Sealed by
No. FL-25610.12	RW Building Consultants, Inc. (#9813)	Lyndon F. Schmidt, P.E.

3.

Calculations	Prepared by	Signed & Sealed by
Anchoring	RW Building Consultants, Inc. (#9813)	Lyndon F. Schmidt, P.E.

4. **Quality Assurance**
Certificate of Participation issued by National Accreditation and Management Institute, certifying that Endura Products is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.

Digitally signed by Lyndon F Schmidt
Date: 2023.07.12 10:53:23 -04'00'

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
This item has been digitally signed and sealed by **L. F. Schmidt** on **7-12-23**.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA